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ABSTRACT

This annotated bibliography was prepared to assist research in planning for colleges and universities. Subject topics cover educational policy--general and statewide; university-community relationships; enrollment and space utilization studies; enrollment statistics; campus planning-general, planning and scheduling models, medical school plans and planning, parking and circulation, and history; campus plan reports; university architecture-general, academic buildings, libraries, housing, student centers and sports facilities, and other buildings. Other bibliographies and an author and article title index are included. (MJM)

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INTRODUCTION

This bibliography has been prepared to assist research in planning for colleges and universities. The first edition was published by the Council of Planning Librarians as Exchange Bibliography No. 22. In the spring of 1964 a revised edition with over one hundred more items was published as Exchange Bibliography No. 30. The present edition, published by the Society for College and University Planning, includes approximately 350 new listings and an alphabetical author-item title index which should increase its usefulness.

The number of institutions and government agencies actively engaged in long-range college and university planning and the literature in the field has increased markedly in recent years. The continuing surge of research on campus problems and the proliferation of books and articles of interest to campus planners now covers so wide a range of topics that this bibliography can make no claim of completeness. However, by abstracting and organizing the literature in the field it should help facilitate the flow of information.

In the compilation emphasis was placed on recent publications and articles. However, a few older items of historical and general interest have been included. An attempt has been made to place each reference under the heading that most closely describes its subject matter and/or purpose. For example, both the sections on Campus Planning and University Architecture may include items with information on Campus Plans. In the case of the former the principal subject matter may be an evaluation of a plan or may describe a planning procedure or element of a plan. In the case of the latter the main content may be the discussion of a particular building or group of buildings supplemented by an illustration of the Campus Plan.

Most of the reports prepared by planning staffs or consultants and many of the published plans are quite limited in availability and probably available for distribution only to those actively engaged in college or university planning.

A number of people have provided assistance in the compilation of this bibliography. Mssrs. George O. Webber, Director of Physical Plant at the University of Maryland, Dr. Thomas R. Mason, Director of Institutional Research, University of Colorado, and Mr. Herman H. Field, Director of Planning for the Tufts-New England Medical Center each provided a number of references. Caudill, Rowlett and Scott's Survey of College and University Planning was useful in locating material on Campus Plans. Messrs. James Clark, Albert Wagner, Robert Koski, Jack Telfer and many other staff campus planners, consultants, and university officials were helpful in providing references and publications. David Shearer, Fine Arts Librarian at Cornell, checked most of the references. Mr. Edward L. Preston, Martin H. Kramer, Richard Ragatz and Stephen Fuller, graduate assistants in the Department of City and Regional Planning at Cornell University, contributed substantially to the research, preparation of notes, and editing for the earlier editions.

K.C.P.
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Ithaca, N.Y.
December, 1968

EDUCATIONAL POLICY

General -

Academic Plan for the Chemistry Department. University of Colorado. N.p. 1965. Mimeo.

This document considers the development of space and staff requirements based on curriculum and enrollment projections.

Arnold, Christian K., "Community Campuses of State Universities," Saturday Review, Vol. 45, no. 11 (March 17, 1962), pp. 90-92.

Lists the undergraduate campuses, technical institutes and extension centers of state universities and explains what they are.

Baskin, Samuel (ed.) Higher Education: Some Newer Developments. New York: McGraw-Hill Book Co., 1965.

The authors in this book outline new institutional forms, experimental curricula and improvements in administrative techniques. Different types of campus complexes are described.

Beck, Robert H. and McClure, Robert C. "University Looks to the Future: The Minnesota Conference on Higher Education," The Journal of Higher Education, Vol. 34, no. 9 (December 1963), pp. 496-502.

A review of the conference attended by a hundred selected faculty members of the University of Minnesota and a few invited speakers and its impact on the attitudes of those who attended it.

Blocker, Clyde E., Plummer, Robert H., and Richardson, Richard C., Jr., The Two-Year College; A Social Synthesis. Englewood Cliffs, N. J.: Prentice-Hall, 1965. 298 pp.

Brubacher, J. S. "Deeper Bases of Policy in Higher Education," excerpts from "Bases for Policy in Higher Education," School and Society, Vol. 93, no. 3 (Summer 1965), pp. 308-19.

"It is possible to discuss higher education at three different levels - the level of practice, the level of policy and the level of philosophy." This selection which is chapter 5 of the book "Bases for Policy in Higher Education," concentrates on the last mentioned of the three levels.

Burns, Gerald P. "Higher Education Today," Current History, Vol. 41, no. 239 (July 1961), pp. 28-31.

A good survey of current attitudes, trends, and challenges.

Camp, W. E. "Why Small Colleges Want to Stay Small," College and University Business, Vol. 26, no. 3 (March 1959), pp. 45-46.

The results of a survey of college expansion policy conducted in 1953. Discusses the major factors determining the policy of smaller institutions to restrict expansion: educational philosophy, size of campus, and financial limitations.

Canfield, Albert A., Fightmaster, W. J. and Vegelow, A. "A Learner-Centered Instructional Systems Approach," Paper presented at the Programmed Instruction Association of New York City, December 13, 1966.

Carr, Alden J. *Student Participation in College-Policy Determination and Administration*. Washington, D. C.: The American Association of Colleges for Teacher Education, 1959.

Cassidy, Michael. "Pressures on University Building," *Official Architecture and Planning*, Vol. 30, no. 4 (April 1967), pp. 503-511.

Factors influencing growth, and the pressures on management and control of expenditure confronting ten new universities in the United Kingdom.

Caudill, Rowlett, and Scott. *Investigation No. 3: Decentralized School vs. Centralized School*. Prepared by C. Herbert Paseur. Houston, Texas: The Authors, n.d.

Chambers, Merritt M. "Old Siwash and the Monster Universities," *Michigan Alumnus Quarterly Review*, Vol. 66, no. 18 (May 21, 1960), pp. 187-194.

An interesting discussion of university and college size and specialization. (Also reprinted in the Ohio State University's *Campus Review*, Vol. 2, no. 1 (October-November 1960).

- - - - "The Shape of Things to Come in Higher Education," *The Journal of Higher Education*, Vol. 33, no. 9 (December 1962), pp. 479-486.

Views the growing demand for college-level education as an opportunity to lift the cultural level and speed the progress of civilization.

Chickering, Arthur W. "How Big Should a College Be?" *Liberal Education*, Vol. 52, no. 3 (October 1966), pp. 281-97.

"Big enough so that each student frequently must confront and operate within a variety of significant settings, but not so big that he becomes superfluous and disappears in the huddle." The article draws on psychological research to show why this is so.

Citizens Advisory Council. *Six County Study of Community College Needs*. Detroit, Michigan: The Author, August 1, 1960. 117 pp.

A study of the need for community colleges in the Detroit region. Population forecasts and a facilities survey.

Clapp, Margaret A. (ed.) *The Modern University*. Ithaca, New York: Cornell University Press, 1950. 115 pp.

European and American ideas of the university in the 19th century and some comments on the contemporary university.

Clark, Joseph S. "Higher Education as a National Problem," *Saturday Review*, Vol. 44, no. 7 (February 18, 1961), pp. 54-5.

United States Senator Joseph S. Clark, Democrat, of Pennsylvania, states the case for increased federal aid to higher education.

The Cleveland Commission on Higher Education. *The Future of Higher Education in Cleveland*. Cleveland, Ohio: The Author, 1959.
A detailed study of enrollments at five colleges and universities in the Cleveland Metropolitan area. Residential dispersal maps for full-time and part-time enrollment to 1965 and 1975. Comparisons of forecasts with planned development capacities.

"Colleges for the Community," *Architectural Forum*, Vol. 111, no. 5 (November 1959), pp. 132-133.
A discussion of the growth in junior colleges and subsequent changes in educational policy; and also of problems in design, finance, and administration.

"The Colleges Plan for a Decade Ahead," *Saturday Review*, Vol. 44, no. 3 (January 21, 1961), p. 82.
General discussion of problems and a review of reports on higher education from 19 states.

Commission on Intergovernmental Relations. *Federal Responsibility in the Field of Education*. Washington, D. C.: U. S. Government Printing Office, 1955.
Current distribution of responsibility; problems and principles; existing grant-in-aid programs; possible extensions of federal aid to other fields.

Committee on Higher Education Appointed by the Prime Minister under the Chairmanship of Lord Robbins. *Higher Education*. London: Her Majesty's Stationery Office. 1963, pp. 335.
A report describing the aim and principles, institutions, curricula and staffing of higher education facilities in the United Kingdom.

Committee on Higher Educational Needs of Metropolitan St. Louis. *Higher Education and the Future of Youth in the Greater St. Louis Educational Area*. St. Louis, Missouri: The Author, 1960.

The Cornell Daily Sun. *Crisis Off Campus: A Survey of Off-Campus Housing Conditions at Cornell University*. Ithaca, New York: The Author, 1959.
Reprints of a series of articles which appeared in the student newspaper.

Corson, J. J. *Governance of Colleges and Universities*. New York: McGraw-Hill, 1960. 209 pp.
Academic affairs, finance, and physical facilities are analyzed as they pertain to facilities, trustees and university presidents.

Dodds, Harold W. *The Academic President - Educator or Caretaker?* New York: McGraw-Hill Book Co., 1962.
Dodds devotes a chapter of this book to the president's responsibilities in the planning process.

Doyle, Edward A. *The Status and Functions of the Departmental Chairman*. Washington, D. C.: The Catholic University of America Press, 1953.

Eliot, Charles W., II. "The Implications for Higher Education of Growing Urbanization and Industrialization of American Society," *Current Issues in Higher Education* (Proceedings of the 16th Annual National Conference in Higher Education.) Washington, D. C.: Association for Higher Education, 1961, pp. 201-202.

A statement of some problems and challenges for which solutions will have to be found.

Ellis, Elmer. "Efficient Planning for Growth in Higher Education," *North Central Association Quarterly*, Vol. 33 (October 1958), pp. 169-173.

Discusses the need for increased use of existing facilities and greater collaboration between institutions.

Enarson, H. L. "Free Universities and National Policy," *Science*, Vol. 138, no. 3540 (November 2, 1962), pp. 581-3+.

This review of *The Federal Interest in Higher Education* by Homer D. Babbidge Jr. and *The Effects of Federal Programs on Higher Education* discusses the fact that "government and the higher education community have been brought together to an unprecedented degree."

Five Addresses from the Second Annual Conference. Midwest Association of Business Administrators of Christian Colleges.

From a conference held on October 25-26, 1960 at Chicago, Illinois. Contains addresses dealing with trends in Christian higher education and with ten-year development plans from the points of view of business officers, professional developers, and architects, and lastly with development plan financing.

Flexner, Abraham. *Universities: American, English, German*. New York: Oxford University Press, 1930. 381 pp.

Folger, J. K. "Urban Sprawl in the Academic Community: Alleviating the University's Growing Pains," *Journal of Higher Education*, Vol. 34 (November 1963), pp. 450-457.

Forbes, John. *The College and University Planning Game*. Academic Planning Tool Center, New Mexico State University, 1963. 41 pp.

Fox, Richard E. *The University of Colorado, Guide to Academic Planning, 1966-67*. Boulder: University of Colorado, March 1965, 16 pp.

A model of planning functions is presented as a means of meeting two conditions for effective planning -- that it must be "realistically constrained by future income; and, it must entice the best ideas for academic outreach that we are capable of producing."

Freeman, Roger A. *Crisis in College Finance: Time for New Solutions*. Washington, D. C.: The Institute for Social Science Research, 1965. 243 pp.

Gardner, John W. "Future of the University," Saturday Review, Vol. 46, no. 44 (November 2, 1963), p. 46.

The article discusses three possibilities for the future role of universities: (1) society will be organized around them; (2) society will not be organized around them, and (3) industry and government will come to look more like universities and vice versa. (The remarks were originally made in introducing Dr. James Perkins as Cornell University's new president.)

Grass, Ronald. "American Higher Education in 1980," School and Society, Vol. 93, no. 2268 (December 11, 1965), pp. 484-5.

This is a summary report on a conference at Aspen, Colorado attended by a group of university presidents to discuss the trends, problems and prospects which could provide guidelines in planning for the future.

Harrison, E. C. "Group Thinking on a Building Program," College and University Business, Vol. 20, no. 3 (March 1956), pp. 46-47.

Deals with faculty and staff participation in planning for a rapidly growing student body at Southern University and at A & M College in Baton Rouge, Louisiana.

Hechinger, Fred M. "A Cure for Growing Pains," Saturday Review, Vol. 42, no. 37 (September 12, 1959), p. 20.

Discussion of the trimester plan to be instituted at the University of Pittsburgh.

Hicks, Weimer K. "Why Not a Twelve-Month College?" Saturday Review, Vol. 43, no. 47 (November 19, 1960), p. 65.

A way the small college can meet the problems of expansion.

Hogarth, Charles P. Crisis in Higher Education. Washington, D. C.: Public Affairs Press, 1957. 60 pp. $1.00.

A pamphlet on problems and practices in United States higher education. Emphasizes the need for long-range planning. Non-technical.

"How to Run a College Without Classrooms." College Management, Vol. 1, no. 1 (May 1966), pp. 49-53.

This report describes how a college (Oakland Community College) is using audio-visual tools, how students work with individual faculty members on the courses they choose at the pace they choose.

Hudnut, Joseph. "Blueprint for a University," Journal of the American Institute of Architects. (December 1944), pp. 272-277.

Excerpts from an address before the faculty and guests of Wayne University on May 19, 1944 in Detroit, Michigan. Deals with the need in universities for a pattern of life parallel to that of life in the city.

Hunksaker, H. C. (ed.) *Building Problems of Urban Universities*. Washington, D. C.: American Council on Education, 1948.

A report on a conference held in Cleveland, Ohio. Covers a broad range of topics including the relation of educational programs to the physical plant, university planning in relation to city planning, the master plan, and specific building types.

"International Assistance in Educational Planning," *International Review of Education*, Vol. 7, no. 4 (1962), pp. 444-447.

An article which gives the main conclusions of a meeting of consultants held at UNESCO House testing the techniques to be used by educational planning groups. Such groups would initiate research, analysis, and planning for education in African states.

Jaspers, Karl. *The Idea of the University*. Edited by Karl W. Deutsch. Translated by H. A. T. Reiche and H. F. Vanderschmidt. Boston: Beacon Press, 1959. 135 pp.

An important philosophical work on the purpose of the university and some excellent practical ideas about the measures needed to achieve it.

Kerr, Clark. "Multiversity: Are its Several Souls worth Saving?" *Harper's* Vol. 227 (November 1963), pp. 37-42.

Levi, Julian. "Private Property Rights vs. Public Purpose of Urban Renewal: Handle with Care," *Journal of Housing*, Vol. 17, no. 4 (April 1960), pp. 143-145.

Litchfield, Edward H. "Colleges Can Operate All Year," in *Saturday Review*, Vol. XLV, no. 50 (December 15, 1962), pp. 52-54.

Arthur D. Little, Inc. "The Role of Higher Education in the Development of the Mid-Hudson Region - Proposals for Immediate and Long Range Action," Cambridge, Mass.: The Author, 1967.

An investigation of the significance of higher education opportunities in attracting and holding the more "sophisticated industries," the present supply of such opportunities, projected requirements and suggestions for meeting needs.

Livingstone, Sir Richard. *Some Thoughts on University Education*. London: Cambridge University Press, 1948. 28 pp.

A lecture suggesting that the influence of universities on the world is disappointingly limited because they are too little concerned with human values and a philosophy of life.

MacFarlane, Ruth. "Our Community as Our Classroom," *Junior College Journal*, Vol. 34, no. 7 (April 1964), pp. 8-11.

The article describes the work done for community agencies by sociology students at Pasadena City College. It also discusses the implications of the college program, especially for the development of a psychologically acceptable way for students who consider themselves transfer students to terminate their studies at community colleges.

Masiko, Peter, Jr. "Going Multicampus," Junior College Journal, Vol. 37, no. 2 (October 1966), pp. 22-26.
This is an outline of the development of a multicampus organization for a metropolitan community college. The example afforded by the Miami-Dade Junior College is used to illustrate the points made in the article.

Massachusetts Institute of Technology, Department of City and Regional Planning. Institutional Expansion and the Urban Setting. (Proceedings of a special summer session program.) Cambridge, Massachusetts: M.I.T., 1959. 79 pp.
Papers and notes of program speakers. Albert Bush-Brown's paper and Kevin Lynch's notes are especially interesting and stimulating. Malcolm Rivkin's outline of program development and hypothetical programming study in the appendix are good guides to program formulation. Very useful.

Millett, John D. The Academic Community: An Essay on Organization. New York: McGraw-Hill, 1962.

Moberly, Walter. The Crisis in the University. London: SCM Press Limited, 1949. 316 pp.
A crystallization of a series of "University Pamphlets" by various authors (published by SCM Press) dealing with questions of fundamental principle in university education. Written from a Christian standpoint. Seeks to find a strong sense of purpose for the university in the modern world.

Nash, Arnold S. The University and the Modern World. New York: The Macmillan Co., 1943. 312 pp.
An essay in the philosophy of university education. Its thesis is that the modern university has built its curriculum and elaborated its educational procedures upon the basis of an inadequate philosophy which assumes that the scientific method and spirit, which can have no sense of meaning of life or history, are an adequate guide in the pursuit of knowledge.

"New Institutions of Higher Education," Higher Education, Vol. 18, no. 7 (May 1962), p. 14.
Very short article on new institutions of higher education established in the U. S. in the 5 years before 1962.

Newman, John Henry,Cardinal. The Idea of a University. Edited by Charles F. Harrold. New York: Longmans, Green and Co., 1947. 413 pp.

- . Edited by Martin J. Svaglic. New York: Holt, Rinehold and Winston, Inc., 1960.
A paperback edition.

Opening the Door: A Survey of the Community Colleges of the City University of New York. New York, Women's City Club of New York, Inc., October 1967. 27 pp.

Ortega y Gasset, Jose. *Mission of the University*. Translated by Howard Lee Nostrand. Princeton, New Jersey: Princeton University Press, 1944.

Patton, R. D. "Changing Scene in Higher Education: The Public Image," *Journal of Higher Education*, Vol. 34, no. 4 (April 1963), pp. 217-219.
In this editorial it is suggested that an intellectual revolution is on the way, which will lead to systematic enquiry being not only "a part of the preparation for life in an individual's early years, but . . . the staff of life itself for as long as one may survive."

Perkins, James A. "University of the Near Future," *School and Society*, Vol. 80, no. 2047 (November 27, 1954), pp. 173-174.
A discussion of the needs for building and faculty at the University of Delaware.

- - - - *The University in Transition*. Princeton: Princeton University Press. 1964.

Pullias, E. V. "Needed: New Colleges and Universities," *School and Society*, Vol. 88, no. 2181 (November 19, 1960), pp. 439-440.
Urgent need for expansion of facilities for higher education stems from enrollment estimates for the future. Makes an appeal for expansion of facilities to protect the growth and welfare of American society.

Ramshaw, Warren C. "Student Opinion in the Planning Process," *College and University Business*, Vol. 23, no. 4 (October 1957), pp. 47-48.
The results of a survey among single graduate students as a basis for planning single graduate student housing.

Rork, John B. "Use of the Power of Eminent Domain by Private Colleges in Land Acquisition," *Higher Education*, Vol. 18, no. 1 (September 1961), pp. 12-13.
Skims problem and urges some power of public acquisition for private institutions. Mentions Utah and Tennessee statutes dealing with this matter.

Rourke, Francis and Brooks, Glenn E. *The Managerial Revolution in Higher Education*. Baltimore: The Johns Hopkins Press. 1966.
A balanced discussion of the trend toward more rational management procedures in higher education. The growth of bureaucracy and record keeping and the evolution of information systems, institutional research, program budgeting and space management are reviewed. The effects of these changes on policymaking and management is evaluated in a context of decision theory and the issues of centralized vs. decentralized management and long-range planning.

Rudy, Willis. "Higher Education in the United States 1862-1962," Bibliography. *School and Society*, Vol. 90, nos. 2210 and 2211, pp. 209-242.

This special two-issue preview of a book by the Editors of *School and Society* in commemoration of the 100th anniversary of the Morrill Land-Grant College Act contains articles by Paul Woodbring on Teacher Education, Robert M. Hutchins on American Higher Education, Earle D. Ross on Land-Grant Colleges and Universities, William W. Brickman on College and University, 1862-1962, George P. Schmidt on the Liberal Arts College, John S. Brubacher on the State University and Willis Rudy on Higher Education 1862-1962.

Salwak, Stanley F. "Academic Cooperation: Big Ten Style," *School and Society*, Vol. 93, no. 2265 (October 30, 1965), pp. 397-8.

The Director of the Committee on Institutional Cooperation (CIC) of the Big Ten Universities and Chicago University and Purdue University, West Lafayette, Ind. describes the formation and functioning of the CIC as a vehicle for cooperative academic endeavor.

Sammartino, Peter. "Multiple Campus Colleges," *Journal of Higher Education*, Vol. 35, no. 9 (December 1964), pp. 503-506.

The article presents some of the reasons why the multiple campus college has developed and identifies some of the problems involved in this growing phenomenon.

- - - - *Multiple Campuses*. Rutherford, New Jersey: Fairleigh Dickinson University Press. 1964. 129 pp.

An informal account of President Sammartino's experience in developing, administering and observing multiple campus institutions.

Schwehr, Frederick E. "Planning Educational Facilities," *Journal of Experimental Education*, Vol. 31, no. 2 (December 1962), pp. 140-144.

Discusses 3 types of studies which aided in planning educational facilities, quality study, and the analysis sketch.

Seeley, R. S. K. *The Function of the University*. London: Oxford University Press, 1948. 79 pp.

A series of lectures delivered at the Canadian Hazen Conference at North Hatly in June, 1947. Discussed are the nature of a university; the relation of the university to the community; the university's role in vocational education; the university's responsibility for cultural and moral development in the community; and the nature and extent of student self-government.

Shaffer, R. H. and D. A. Ferber. "Academic Integration as a Fundamental Aspect of Basic Planning University of California, Santa Cruz"; Indiana University, School of Education, *Bulletin* Vol. 41 (May 1965), pp. 23-24.

Sicuro, N. A. "University Branches: Solution for College Crush," School and Society, Vol. 94, no. 2283 (December 10, 1966), pp. 458-9.
This article discusses the potential solution to college enrollment problems offered by systems of university branches.

Stoddard, George D. "New Design for the College of Liberal Arts and Sciences," School and Society, Vol. 93, no. 2261 (May 11, 1965), pp. 265-267.
An academic plan for a contemporary college. "Throughout the plan, the keynote in liberal education is held to be 'allurement' and the keynote in specialization is 'commitment'."

Thoday, Doris. "Halls of Residence," Universities Quarterly, Vol. 12, no. 1 (November 1957), pp. 45-56.
The results of an interview made at Birmingham University in England to determine students' participation in university life according to their type of residence. With conclusions.

- - - - "Residence and Education in Civic Universities," International Journal of Social Psychiatry, Vol. 4, no. 3 (1958), pp. 220-227.
The results and a commentary on a survey conducted at Birmingham University in 1951-52 to determine the amount of student time spent in leisure and academic work, and the patterns of student intercourse, all by courses of study, academic standing, and social classes.

- - - - "University Expansion and Student Life," Universities Quarterly, Vol. 14, no. 3 (June 1960), pp. 272-277.
A discussion of the advantages and disadvantages of halls of residence in English universities and their effects upon students.

Tickton, Sidney G. "Need for Planning at Private Colleges and Universities," Liberal Education, Vol. 49, no. 1 (March 1963), pp. 13-21.
Five questions are considered in this article:
"1. What is the outlook for population change.
2. What is the outlook for jobs, and what does this imply for the training of the labor force.
3. What is the outlook for college and university enrollments, particularly with respect to the distribution between private and public institutions.
4. What is the economic outlook in the years ahead, what can higher education cost; and if it costs more proportionately over the years, can the country afford it.
5. What does all this mean to the private liberal arts college."

- - - - Letter to a College President on the Need for Long-Range Planning, New York, The Fund for the Advancement of Education, 1963.

Trueblood, Elton. The Idea of a College. New York: Harper and Brothers, 1959. 207 pp.
A book discussing fundamental ends of education at the college level.

"The University Building Programme, The Administrative Machinery," Official Architecture & Planning, Vol. 30, no. 4 (April 1967), pp. 531-536.

"This article examines the present administrative structure, pinpoints some of its weaknesses and suggests ways in which the work of expansion could be carried out more speedily and more economically."

"University Cooperation on One Campus: Purdue and Indiana University at Fort Wayne," School and Society, Vol. 94, no. 2283 (December 10, 1966), pp. 443-4.

The goal of combining the resources of two universities at their Fort Wayne regional campus is to strengthen their academic programs. Sweeping revisions in academic assignments will have put 13 subject areas under the direct administration of Indiana University and 14 under Purdue at the Fort Wayne campus.

University of Hawaii, Academic Development Plans Committee. An Academic Development Plan for the University of Hawaii. Honolulu: The University of Hawaii. January, 1964. 132 pp.

An examination of enrollment trends and factors which influence growth is followed by a comprehensive discussion of university policy including instructional methods, recruitment, departmental organization, student faculty ratio, and selection and retention of students. All teaching, research support and public service programs are reviewed. Comparative data is provided in many cases. A concluding section on implementation of the plan includes projections of operating and capital funds, a review of existing space and future requirements and a discussion of financial resources.

Warner, J. C. "National Goals and the University," Science, Vol. 142, no. 3591 (October 25, 1963), pp. 462-464.

This article points out that to use the nation's creative talent only in the traditional activities of the university may jeopardize the attainment of national goals. The author calls for a careful rethinking of national policy and university functions.

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Articles by Bokelman, "Facility Needs (national); Brubaker, "Effect of Changing Techniques on Designs of Facilities"; King, The School in the City: A new book and Case Studies on Campus Planning. Southern Illinois, Grand Valley State College (Michigan), Ohio State University, Eureka College comprise 35 plus pages of this publication.

"Building Types Study 339 - Campus Planning," *Architectural Record*, Vol. 136, no. 5 (November 1964), pp. 175-205.
This study focuses on California's new campuses. It contains articles by Clark Kerr and Charles Luckman on "California's New Campus" and "State College Expansion" respectively, and photographs, plans and drawings of new buildings.

Butler, John H. "College Planning," *College and University Business*, Vol. 28, no. 1 (January 1960), pp. 23-25.
A discussion of the roles of the master planner, educational planner, and the architect in campus planning.

"Campus City, Chicago - University of Illinois' New Urban Campus," *Architectural Forum*, Vol. 123, no. 2 (September 1965), pp. 121-145.
The article and photographs cover the plan, concept, design future and outcome of the Chicago Circle Campus of the University of Illinois.

"Campus Design by Function, Not by Discipline," *Architectural Record*, Vol. 30, no. 4 (October 1961), pp. 12-13.
Discussion of the proposed master plan for the new Chicago campus of the University of Illinois. Plan by Skidmore, Owings, and Merrill, Architects.

"Campus Planning for the State University of New York," *Architectural Record*, Vol. 135, no. 6 (May 1964), pp. 4-5.
A brief, well-illustrated review of the program of campus planning for 22 of the campuses of the State University of New York. Includes illustrations and statements on campus plans for the College at Fredonia - I. M. Pei; College at Potsdam - Edward Barnes College at Geneseo - Myller, Snibbe and Tafel.

Canty, Donald. "New Frontier of Higher Education," *Architectural Forum* (March 1963), pp. 96-103.
"California is in the midst of a billion-dollar campus boom, turning bare land into brand new colleges and universities."

Cassidy, Michael. "Architecture and the Sociology of University Life," *Universities Quarterly*, Vol. 18, no. 4 (September 1964), pp. 352-65.
The relationship between the buildings on a campus influence patterns of interaction among students and faculty. Cassidy suggests what these patterns should be and analyzes a number of British University plans to see how they facilitate or hinder the occurrence of interaction.

Caudill, Rowlett and Scott. *Probes: A Search for Uniqueness of the Community College. Investigation 14*. N.p.
A discussion of the development of logical new forms for the Community College and the identification of those fundamentals which distinguish the Community College from the high school and university in order to give it an identity of its own.

- - - - *Study Report: Lamar Junior College*. Oklahoma City, Oklahoma: The Authors, 1960.
A study to demonstrate the need in the Lamar area for increased educational facilities and curriculum at the junior college level and to develop a site utilization study as a starting point for a long range development plan for Lamar College on its proposed 20-acre site.

- - - - *Survey of College and University Planning Activities*. Houston, Texas: The Authors, 1958. 91 pp.
Summaries of responses to questions on campus planning from 56 colleges and universities. Some evaluations of campus plans.

Cedar, Toby. *Student Housing Survey: Fall 1966*, Detroit, Michigan Office for Institutional Research, Wayne State University, 1967, 37 pp.

A report assessing the types of students wanting campus housing, and the type of housing they desire.

"Cleveland State University Starts Vast Expansion," *American School and University*, Vol. 38, no. 7 (March 1966), p. 56.

A brief, illustrated description of campus development .

Cocking, Walter D. "Educational Planning of College Plants," *American School and University* (1957-58), pp. 111-120.

An article dealing with the needs for new college plant, the characteristics and needs of its users, and the people who should be involved in its planning.

"College Campus that is Main Street: Denison College, Denison, Iowa," *Architectural Record*, Vol. 137, no. 1 (January 1965), pp. 124-6.

Sketches and plans show Denison's linear campus plan with its main axis a pedestrian way.

"College Design Seminar, Marymount College, Salina, Kansas," *American School and University*, Vol. 36, no. 5 (June 1964), p. 40.

"College Plan: A Cluster Pattern; Grand Valley State College, Michigan," *Architectural Record*, Vol. 137, no. 1 (January 1965), pp. 127-34.

An unusual site presents the opportunity to build a new institution in a series of colleges on a 'finger-like' plateaus surmounting wooded ravines. The article contains plans, sketches and photographs of the site and buildings.

Community College Planning Center, *Planners and Planning*: Stanford, California: The Author, 1966

A step by step explanation of master planning a community college.

Creese, James, Elton Hocking and P. Ronald Palmer. "How Can Colleges and Universities Make Most Effective Use of New Knowledge Concerning Educational Facilities?" *Current Issues in Higher Education*, Vol. 15 (1960), pp. 197-208.

Davis, Harvey H. "Building Needs and Priorities of a State University," *American School and University* (1953-54), pp. 133-138.

A general article on campus planning procedures. Related to the State University of Iowa.

"Designing the Campus: Building Types Study 358," *Architectural Record*, Vol. 139, no. 5 (May 1966), pp. 165-185.

This study focuses on the University of Massachusetts, its campus plan developed by Hideo Sasaki and on the new buildings on campus designed by a number of leading architects. The study is subtitled "Distinguished Architecture for a State University."

Dilley, Frank B. "Program Budgeting in the University Setting," The Educational Record, Vol. 47, no. 4 (Fall 1966), pp. 474-489.
The author notes that there are often only two kinds of planning done on campuses: long range but inexact planning and the annual budgeting process. He stresses the importance of establishing and coordinating needs within a program budgeting framework.

Dober, Richard P. Campus Planning. New York: Reinhold, 1963. 314 pp. $25.00.
A comprehensive statement of the state of the art. Many illustrations and thorough discussion of most of the key issues and techniques of campus planning with emphasis on architectural form and its relation to educational purpose.

- - - - "Form and Style in Campus Design," Progressive Architecture, Vol. 41, no. 9 (September 1960), pp. 122-133.
Design concepts of several campus plans are described.

- - - - The New Campus in Britain: Ideas of Consequence for the United States. New York: Educational Facilities Laboratories, 1965.
This book examines new college structures in Great Britain, describes types of housing and the relationship of the university to its urban environment and to urban renewal.

Drewry, Galen N. (ed.) The Administrative Team and Long Range Planning, Athens, Ga.: Institute of Higher Education, University of Georgia, 1967.

Dudley, George A. 1962-1970 . . . Years of Challenge and New York's Answer. An address to New York State Association of Architects Annual Convention. Grossinger's Hotel, Grossingers, New York, October 20, 1963. Reprint - State University Construction Fund, Albany, New York, 1964.

du Von, Jay. "Campus Landscape," American Education, Vol. 2, no. 5 (May 1966), pp. 18-24.
The article describes the job of the landscape architect and the collaborative process necessary to achieve a campus with identity. Photographs of a number of campuses accompany the article.

The Editors of Architectural Review. "The Universal University," The Architectural Review, Vol. 134, no. 800 (October 1963).
This article serves as an introduction to this issue of The Architectural Review which deals with the schemes, projects, plans and proportions of the unprecedented condition of expansion of the British University System.

Educational Facilities Laboratories, Inc. Bricks and Mortarboards. New York: The Author, 1964. 168 pp.

Egner, Anton J. "How Big Can You Get?" in *College and University Business*, Vol. 37, no. 5 (November 1964), pp. 57-61.
Discusses university size as a function of walking speed, time available between classes, and horizontal and vertical circulation patterns.

"Florida Master Plans For Record College Enrollments," *American School and University*, Vol. 38, no. 4 (December 1965), pp. 28-9.
The article discusses the program of building new junior colleges and four year institutions in Florida; the goal being to place public higher education within commuting distance of every potential student in Florida by 1970.

Florida, State Department of Education. *Proceedings: Conference on Junior College Facilities*. Tallahassee: The Authors, 1959.
Record of major speeches at the conference. Surveys, site selection, campus planning, cost data, space utilization.

"Focus on Facilities: Planning Space for Physical Activity," *Journal of Health, Physical Education, Recreation*, Vol. 33, no. 4 (April 1962), pp. 34-38.
A collection of articles. Procedures for planning, and some successful examples at all school levels.

Gallistel, A. F. "Long Range Campus Plan," *College and University Business*, Vol. 20, no. 3 (March 1956), p. 6.
A discussion of the need for consideration of ultimate size of an institution, physical plant location, circulation, and planning for expansion.

Giles, Frederic T. "Guidelines for Junior College Campus Planning," *Junior College Journal*, Vol. 32, no. 8 (April 1962), pp. 471-475.
The author provides guidelines which will be of assistance ". . . to those contemplating, starting, or involved in planning a junior college." His list covers subjects such as general objectives, site selection and the roles of research, study, campus visitation, board of education, citizens committee, architect, students, faculty and administration in the planning process.

Gores, Harold B. "Facilities For the Future: Housing," *Liberal Education*, Vol. 49, no. 1 (March 1963), pp. 34-47.
This qualitative discussion covers the planning and space utilization needs of college housing, science facilities and libraries.

Gray, Richard. "The Future of the Backs: University Development in Cambridge," *The Town Planning Review*, Vol. 26, no. 4 (January 1956), pp. 195-210.

Green, A. C. "Criteria for College Architecture," *Progressive Architecture*, Vol. 42 (November 1961), pp. 176-179.

Gresci, G. D. "Development of a Continuing Junior College Capital Outlay Program," *Californian Education*, Vol. 3 (April 1966), pp. 21-22.

A Guide for Campus Planning. State University of New York and State University Construction Fund. February 1967. pp. 40.
Procedures established to guide architects and planners in the development of long-range physical campus plans for the State University of New York.

Habenaecker, H. J. "Opening Day at this New High School - Community College," *American School and University*, Vol. 38, no. 2 (October 1965), pp. 52-3.
This is a brief discussion of the educational needs of a joint campus in Belleville, Illinois and how the architect arrived at a campus design to cater for them.

"Handsome Beginning for Southern Illinois' New Edwardsville Campus," *Architectural Record*, Vol. 140, no. 6 (December 1966), pp. 111-120.
Photographs, sketches and site plans illustrate an article on the designing and designs of this new campus.

Hathaway, Dale E. "What Is the Responsibility of the Faculty in Institutional Long-Range Planning?" *Current Issues in Higher Education* (Proceedings of the 15th Annual National Conference on Higher Education held in Chicago, Illinois on March 6-9, 1960). Washington, D. C.: Association for Higher Education, 1960. pp. 124-127.
Argues that the faculty has a responsibility and a contribution that can best be made by defining the roles of the various groups in the long-range planning process and by limiting the decisions which are required of the different groups.

Heneman, Harlo J. "Planning Comes First, Fund Raising Follows," *College and University Business*, Vol. 24, no. 3 (March 1958), pp. 23-24.
The need for planning prior to fund raising, the present lack of it, and a proposal that institutions employ development officers to coordinate the planning process.

Hickman, Warren L. "Campus Construction for Academic Survival: The Importance of the Curriculum in the College Building Program," *Journal of Higher Education*, Vol. 36, no. 6 (June 1965), pp. 322-330.
Hickman stresses the need for designers to consider the methodological and technological changes in education and the need for consultation with faulty and administration prior to planning new physical facilities.

In Education the Most Important Number is One: Caudill, Rowlett and Scott. Investigation 11. Houston: Caudill, Rowlett and Scott, December 1964.

"Integrated Site Planning and Design for a Small College, Concordia Lutheran Junior College, Ann Arbor, Michigan," *Architectural Record*, Vol. 38, no. 3 (September 1965), pp. 189-196.

Isbitz, Allan Bob. *Planning for Social Interaction and Learning in the Graduate Student Community*. Unpublished Master's Thesis, Cornell University Graduate School, Cornell University, Ithaca, N. Y. 1967.

"This study is concerned primarily with the activities of the graduate student which tend to blur the distinction between the formal and informal aspects of his intellectual and social education and about the physical spaces where they occur. It is also concerned with the location of such spaces in both academic and non-academic structures."

Jarrett, J. L. "Santa Cruz After One Year, Report on Cowell College," *Saturday Review*, Vol. 50 (January 21, 1967), pp. 61+.

Johnson, Franklin W. "Some Factors Involved in Planning a New College Campus," *American School and University* (1938), pp. 23-26.

Kerr, Clark. "California's New Campuses," *Architectural Record*, Vol. 136, no. 5 (November 1964), p. 175.

This is an introduction to "Building Types Study 339 - Campus Planning" by the then president of the University of California. The main theme is "building big while seeming small."

Kraushaar, Otto. "Landscape Teaches Too," *Landscape Architecture*, Vol. 52 (October 1961), pp. 38-40.

The landscape design for Goucher College.

Larke, George R. (ed.) *Challenges in Planning for Tomorrow, Proceedings of Annual Conference, California School Facilities Council, UCLA - December 19-20, 1966, Los Angeles, California*: California School Facilities Council, 1966. pp. 124.

Among the addresses at the conference are those by Dr. Harry Williams on "Planning for effective resource allocation in universities," Ezra Ehrenkrantz on "Flexible spaces for Living and Learning" and by Dr. Ralph E. Ellsworth on "Planning the University Library". In addition there is a report of a panel discussion on "Key Considerations in Planning Community Junior Colleges".

Lautner, Harold W. "The Landscape Architect Serving a University," *Landscape Architecture Quarterly*, Vol. 44, no. 2 (January 1954), pp. 83-88. Maps.

The development of planning for the Michigan State College Campus. Present organization for site planning. Includes several maps of the campus.

Livingston, Lawrence, Jr. "Town and Gown," *Planning 1961* (Selected papers from the ASPO National Planning Conference held in Denver, Colorado on April 30 - May 4, 1961). Chicago: American Society of Planning Officials, 1961. pp. 109-118.

An account of the procedure used by the University of California to select new campus sites, and a discussion of the ideal university campus and community. Some suggestions to control development surrounding a university.

Lyndon, Donlyn. "In Canada, the Continent's first Single-Structure Campus," *Architectural Forum*, Vol. 123, no. 5 (December 1965), pp. 13-22.
Photographs and plans show Vancouver's Simon Frazer University with its continuous mall spine.

Manitowoc County Planning and Park Commission. *Final Report on Site Study for University of Wisconsin Center in Manitowoc County*. Manitowoc, Wisconsin: The Author, 1960.

Mann, Frederick M., Jr. "The General Development Plan for the Second Century," *The Campus of the University of a Thousand Years*. Reprint from the *Washington Alumnus* (Winter 1963), pp. 14-23.

Mason, Thomas R. *The Role of Institutional Research in Decision Making*. Conference of the Association for Institutional Research University of Georgia, Athens, Georgia, May 10, 1967, 16 pp. Mimeo.
This paper reviews some of the methodological changes in decision making and research operations and presents a conceptual framework for campus development planning.

Massachusetts Institute of Technology. *From Strength to Greater Strength*. Cambridge, Mass.: M.I.T. Office of Publications, 1960. 48 pp.
A brochure describing the Second Century Fund program and the physical plants needs that form a basis of its goals. Some elements of the campus plan and model are illustrated.

Matt, Harold Lewis. *Site: Man-Made Objects*. Performance Criteria Monograph. Albany, New York: State University Construction Fund. 1963. 128 pp.+ Bibliography.
Enlightening Treatment of the subjects of campus "street furniture": lighting, visual communication (signs), traffic control and emergency communication set in the context of visual perception.

Mayer, Frederick W. (ed.) *Contrasting Concepts in Campus Planning. Selected Papers From the First Annual Conference of the Society for College and University Planning*. Ann Arbor: The Society for College and University Planning, 1967. 80 pp. Illus. $3.00.
Papers by academic and administrative officials, campus planners and critics about processes and plans at the Santa Cruz Campus of the University of California, The University of Illinois at Chicago Circle and Portland State College.

McGrath, Earl J. *Cooperative Long-Range Planning in Liberal Arts Colleges*, New York: Bureau of Publications Teachers College, Columbia University, 1964.

McVoy, Arthur. "Planning a New College Campus," *Progressive Architecture*, Vol. 30, no. 8 (August 1949), pp. 45-64.
The design of the campus as a whole and the design of individual buildings to serve special purposes. Discussion involved Jacksonville Junior College in Florida, a science building for Mills College, a dormitory for Antioch College, and the new campus of Long Island Agricultural and Technical Institute.

Merlo, Frank P. and W. Donald Walling. *Guide for Planning Community College Facilities*. New Brunswick, N. J.: The Division of Field Studies and Research, Graduate School of Education, Rutgers - The State University, 1964.

Michigan Department of Administration, Building Division. "A Comparison of the Sites at Allendale, Marne and Muskegon for a 10,000 Student College." Lansing, Michigan: The Author, 1961. 8 pp. Map. (Process.)
A study of the estimated on-site construction and cost of utilities and grounds for a new 640-acre, 10,000-student campus to be known as Grand Valley College. The appendix contains a copy of a diagrammatic site plan for the assumed ultimate physical plant.

Morisseau, James J. "Seminar on Campus Planning," *Journal of the American Institute of Architects* (June 1963).

- - - - "Some Basics of Campus Planning," *Architectural Record*, Vol. 134, no. 2 (August 1963), pp. 125-128.
This article is a condensation of the author's chapter "The Campus" from the book on college buildings *Bricks and Mortarboards* published by the Ford Foundation's Educational Facilities Laboratory, Inc. It focuses on the need for planning for changing demands in a changing society.

"New Junior Colleges," *Junior College Journal*, Vol. 35, no. 8 (May 1965), pp. 2-3.
About twenty new junior colleges open each fall. This article briefly describes seven typical colleges which were planned to open in the Fall of 1965.

N. Y. State University Construction Fund, *Guide for Campus Planning - Design and Development Phase*. Albany: The Author, 1967.

Odegaard, Charles E. "Infinite Riches in a Little Room" *Washington Alumnus*, Vol. 53, no. 2 (Winter 1963), pp. 2-3.
The President of the university stresses the relationship between the physical and academic plan and the need for long range plans to be coordinated into day to day decisions.

Paseur, Herbet and Thomas A. Bullock. "Zones Approach for College Master Plans," American School and University (1958-59), pp. 391-398.
The development of the campus plan for Central Christian College in Bartlesville, Oklahoma. Caudill, Rowlett and Scott, Architects.

Perkins & Will Partnership, Architects. The Area Community College: Why A Master Plan? The Authors, undated. 64 pp.
A report prepared at the request of Dr. Louis W. Bender, Director, Bureau of Community Colleges, Department of Public Instruction, Commonwealth of Pennsylvania, the distribution to assist trustees, administrators and Community leaders in understanding the concept of Master Planning.

Petrik, Eugene V. Planning for Institutional Evolution. An unpublished paper, Academic Internship Program, American Council of Education, Washington, D. C., 1967. (mimeographed).
The author "defines the institution as an abstract mathematical system and then discusses general processes and specific techniques which can be used to circumscribe and transform complexity and change into definite forms."

"Physical Plant Development," Tuskegee Institute Annual Report of the President, 1959-1960, pp. 20-21.
Short discussion of new construction on the campus. Illustration of site plan of projected future campus.

Pima County Junior College: An Approach to Campus Planning, Caudill, Rowlett and Scott Investigation 15. Houston: Caudill, Rowlett, and Scott, September 1967. Unpaged.
A lively report outlining the process of defining the shape-shaping forces necessary for the educational task envisioned by the governing board and its consultants, and the resulting planning percepts.

"Planning a Campus Today for Tomorrow's Needs," Engineering News Record, Vol. 165, no. 7 (August 18, 1960), pp. 40-43.
Elements of campus planning, methods of zoning, and forms of expansion. The issue is devoted to six reports on College Construction, of which this is one. Others are on pages 33 and 65.

"Planning the Community College," Architectural Record, Vol. 135, no. 7 (June 1964), pp. 123-132.
An article and accompanying photographs describe the Corning Community College. The campus was designed and built as an entity but with an awareness of the needs for future expansion.

Reed, Bob H. "People, Processes, and Time = Facilities," Junior College Journal, Vol. 37, no. 3 (November 1966), pp. 20-25.
This "primer" on planning for community colleges stresses the need for communication between educators and the design professions. It clearly spells out, step by step, the process of designing community college facilities from site selection to completed design. The selected references at the end of this article will prove a useful source of information for those involved in planning for community colleges.

Reed, Bob, H. *A Primer for Planners*. Washington, D. C.: American Association of Junior Colleges, 1967.

Rice University, Department of Architecture. *Ten Colleges*. Houston, Texas, The Author, 1962. 100 pp.

Rork, John B. and Leslie F. Robbins. *Casebook on Campus Planning and Institutional Development*. Washington, D. C.: U. S., 1962.
Ten case studies are discussed to illustrate the campus planning process.

Rivkin, Malcolm D. *Planning for M.I.T. 1956-1970*. Unpublished Master's Thesis, Department of City and Regional Planning, Massachusetts Institute of Technology, 1956.
Available on microfilm. Thesis supervisor was Kevin Lynch.

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Saarinen, Eero. "Campus Planning, the Unique World of the University," *Architectural Record*, Vol. 128, no. 5 (November 1960), pp. 123-130.
A general discussion of campus planning considerations, recent campus building, and a review of some of the older campuses. Sepcial emphasis on the fact that the architect should be well aware of and give full consideration to the master plan when designing the individual buildings.

San Jose Planning Department. *A Study of Suggested Sites for the University of California Campus in the Santa Clara Valley, San Jose*. San Jose, California: The Author, 1958.
A sketchy compilation of data from reports prepared by others, including *A Study of the Need for Additional Centers of Public Higher Education in California*, *New Campus Location Criteria*, and maps and excerpts from Department reports.

Scheeser and Buckley, Consulting Mechanical Engineers and Kucheman and Vorvaro, Consulting Electrical Engineers. *Utilities Development Guide, The University of Akron, 1965*. The Authors, undated. 35 pp.
This report presents the requirements and design for a system of heating, air conditioning and electrical sources and distribution for the University of Akron. This type of coordinated research - judging by the paucity of reports on the subject - is seldom carried out. This report, therefore, makes interesting reading.

Sena, Robert Stephen. *The College Environment a Symbolic Generator of Action*. Unpublished Master's Thesis, Cornell University Graduate School, Cornell University, Ithaca, New York, 1966.
Thirty-seven schools were classified according to three symbolic characteristics: presence or absence of a dominant symbol, country vs. city environment and presence or absence of a unified architectural scheme. Those universities with dominant symbols and country location were found to have high student involvement measured on variables such as alumni financial support and attendance at athletic events.

R. H. Shaffer and D. A. Ferber. "Residential College Concept: Campus Organizational Patterns for Quality with Quantity," *Indiana University, School of Education*. Bulletin Vol. 41 (May 1965), pp. 1-34.

Smith, Arthur E. "Fresh Approach to Small College Planning," *College and University Business*, Vol. 27, no. 5 (November 1959), pp. 64-65.
A short description of the building program for Fort Lewis A. and M. College. James A. Hunter, Architect.

Smith, F. A. C. "Selecting the Site for the Small College," *American Landscape Architecture*, Vol. 2 (May 1960), pp. 24-29.

Spaeth, Raymond J. "Campus Planning 2," *Planning 1958* (Selected papers from the National Planning Conference held in Washington, D. C., on May 18-22, 1958). Chicago: American Society of Planning Officials, 1958. pp. 148-152.
An account of the Illinois Institute of Technology's campus expansion and development program.

State University Construction Fund - New York. *Development of Site Program and Budgets and a Procedure for Establishing Quality Levels and Control of Site Costs at the Campuses of the State University of New York*. Albany, New York: The Author. 1966. 22 pp. and eight appendices.
A technical procedural guide which describes the campus planning site development programming and site cost estimating approaches of the Construction Fund.

State University of New York. *Campus Plans for State University of New York*. The Authors, 1965. pp. 104. Maps.
Plans and photographs, maps and sketches of the facilities at the various campuses of the State University of New York.

Stephenson, Robert B. *Campus Planning in Australia*. Unpublished Report, August 1966. (mimeographed)
A descriptive review of the present status of campus planning in Australia, the problems to be faced and recommendations for the future.

Steward, R. B. *Debt Financing of Plant Additions for State Colleges and Universities*. West Lafayette, Indiana: Purdue Research Foundation, 1948.
A study of educational plant financing by means of borrowed funds. The result of a questionnaire sent to 102 colleges and universities throughout the United States and Canada. Discusses college-state relationships, constitutional debt provisions, revenue bonds, financing through corporate affiliates, and voluntary use of funds for debt service.

Stouffer, Ernest L. "Planning an Overall Longtime Campus Program," *American School and University* (1945), pp. 62-66.
Factors considered in planning the University of Illinois Campus. Includes historical background, departmental relationships, and a discussion of effectuation.

"Surrey University," Official Architecture and Planning, Vol. 30, no. 4 (April 1967), pp. 512-516.
Plans, diagrams and sketches of the new campus for Surrey University.

Telfer, John and Johnson, William J. *The University of Michigan North Campus Planning Conference*. Ann Arbor: The University of Michigan, 1966, 16 pp. and appendices.
Summary of a two day working conference of University of Michigan Officials and Consultants to update and coordinate development policies.

Thompson, Loring M. "Institutional Research, Planning, and Politics, *Journal of Experimental Education*, Vol. 31, no. 2 (December 1962), pp. 89-91.
Discusses new organizational patterns now developing on university campuses to aid in making consciously planned changes: institutional research, physical planning, and a new pattern in politics.

"Tuskagee in the Sixties," *Tuskegee Institute Annual Report of the President, 1959-1960*, pp. 2-4.
General discussion. Photo of model of campus master plan.

"Two Kinds of Campus Coherence," *Architectural Forum*, Vol. 107, no. 3 (September 1957), pp. 138-147.
A comparison of Ohio's Lake Erie College, a free-form plan for adding buildings to an existing campus in a park, Victor Christ-Associates, Architects, with Santa Barbara College of the University of California, a geometric plan of courts and walls with buildings built to a constant theme, Pereira and Luckman, Architects.

U. S. Department of Health, Education and Welfare, Office of Education. *College and University Facilities Survey, Part 1: Cost and Financing of College and University Buildings, 1951-55*. Prepared by W. Robert Bokelman and John B. Rork. Washington, D. C.: Government Printing Office, Circular No. 540, 1959. 53 pp. 45¢.

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U. S. Office of Education. *Casebook on Campus Planning and Institutional Development*. Compiled by John B. Rork and Leslie F. Robbins. (OE-51003, Circular No. 667) Washington, D. C.: Government Printing Office, 1962. 162 pp.

The steps taken and obstacles faced by 10 institutions in planning for campus development: Brigham Young University, Saint Louis University, University of South Florida, Methodist College, San Francisco State College, Howard College, University of Chicago, South Plains College, St. Andrews Presbyterian College and Barrington College. Concise and factual. Illustrated.

"Universities" -- A Special Issue of the *Architectural Review*. Vol. 134, no. 800 (October 1963).

University of California, Administrative Committee. "University of California New Campus Location Criteria." n.p.: The Author, 1958. 26 pp. Mimeo.

University of California, Berkeley Campus, Committee on Buildings and Campus Development, Subcommittee on Physical Development Planning. *Study of the Long Term Use Potential of Strawberry Canyon and the Undeveloped Hill Lands*. Berkeley, California: The Author, 1958. 15 pp.

A report of the Subcommittee. Prepared by the Office of Architects and Engineers. Study of existing uses and potential future uses in the rugged hill lands east of the main Berkeley Campus.

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Transit proposals of the San Francisco Bay Rapid Transit District reviewed in relation to the future distribution of University students and faculty. Study of station locations near the campus.

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Local standards for directional signs and markers.

University of Colorado, Joint Planning Committee. *Planning for the Future Development of the Boulder Campus.* Boulder, Colorado: The Author, 1960. 26 pp. Map.

A preliminary statement for review and discussion by the faculty. Discusses potential enrollment and program, directions of physical development, and the planning process.

University of Colorado, Planning Committee. *1971-72 Plan of the College of Engineering, University of Colorado*. The Authors, 1966-67, pp. 101.
A detailed analysis of the planning parameters for the Departments of the College of Engineering at Colorado.

University of Colorado Planning Office. *Twenty Thousand Students, The Program for the Revised Campus Development Plan,* Boulder, by the author, 1963.

University of Michigan. *Spring 1959 Report, Subcommittee on Campus Planning and Development, Senate Advisory Committee*. Ann Arbor, Michigan: The Author, March 1959. 16 pp. Mimeo.

University of Pennsylvania. *Annual Report of the University Planning Offices: Academic Year 1959-60*. Philadelphia, Pennsylvania: University Printing Office, 1960. 15 pp. Mimeo.
Summary of the origins, purpose, current operations, and programs of a recently formed campus planning staff.

University of Pennsylvania, Planning Office. *Project Program: Laboratory for Research on the Structure of Matter*. Philadelphia, Pennsylvania: The Author, 1961. 35 pp. Map.
A report of the establishment of a new research facility to be designed and executed within the context of the University's Development Plan.

University of Rhode Island, Office of Institutional Research. *Planning for Community Colleges in Rhode Island: A Report to the Community College Study Group of the Board of Trustees of State Colleges*. The Authors, 1959. 33 pp. Mimeo.
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The most perceptive and literate American architectural critic of the late 19th century and early 20th century reviews the history and present state of campus development at major eastern universities. Interesting and witty with flashes of brilliance.

1. Harvard, Vol. 26, no. 4, pp. 243-269.
2. Yale, Vol. 26, no. 6, pp. 393-416.
3. Princeton, Vol. 27, no. 2, pp. 129-160.
4. New York City Colleges (Columbia, N.Y.U., C.C.N.Y.), Vol. 27, no. 6, pp. 443-469.
5. Pennsylvania, Girard, Haverford, Lehigh, and Bryn Mawr, Vol. 28, no. 3, pp. 183-212.
6. Dartmouth, Williams, Amherst, Vol. 28, no. 6, pp. 425-442.
7. Brown, Bowdoin, Trinity, Wesleyan, Vol. 29, no. 2, pp. 145-166.
8. William and Mary, St. John's, University of Georgia, University of North Carolina, Davidson, Wake Forest, South Carolina, University of Virginia, Vanderbilt, Maryville, Rollins, Atlanta, and others, Vol. 30, no. 1, pp. 57-84.
9. Union, Hamilton, Hobart, Cornell, Syracuse, Vol. 30, no. 6, pp. 549-573.
10. Vassar, Wellesley, and Smith, Vol. 31, no. 5, pp. 513-537.

Shillaber, Caroline. "Architecture of M.I.T. Buildings, Part I," The Technology Review, Vol. 56, no. 6 (April 1954), pp. 297-302.
An architectural history. Deals with the "Classic Age" at M.I.T. Describes the style of the early buildings in Boston and the first ones to be erected in Cambridge.

- - - - "Architecture of M.I.T. Buildings, Part II," The Technology Review, Vol. 56, no. 7 (May 1954), pp. 343-348.
An architectural history. Deals with the new era at M.I.T. beginning in the late 1930's.

Tilton, L. D. and T. E. O'Donnell. History of the Growth and Development of the Campus of the University of Illinois. Urbana, Illinois: The University of Illinois Press, 1930.
Very thorough. Includes many plans and studies and selected correspondence.

Tunnard, Christopher. "Joseph Jacques Ramee, Architect of Union College," in Union Worthies, No. 19, 1964. pp. 5-15.

University of California, Berkeley Campus, Department of City and Regional Planning. "Plans Without Planning: The Berkeley Campus, 1865-1950." Prepared by 5 students in the Department, January 6, 1950. Mimeo.

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A development plan for 34 institutions including Western Reserve University, Case Institute of Technology and University Hospitals in Cleveland. Certainly one of the best comprehensive institutional plans to date.

Alexander, Robert E., F.A.I.A., and Associates. *Long Range Development Plan, University of California, San Diego*. The Author. October, 1963. 53 pp. plus 2 maps in pocket.

An excellent plan (conceptually and architecturally), very handsomely presented.

Alonzo J. Harriman, Inc. *A Growing University 1960-1970: A Long Range Plan of Growth for the Campus of the University of Maine at Orono*. Auburn, Maine: The Author, 1960. 28 pp. Maps.

Includes student enrollment projections; and a series of individual studies of expansion up to 1970 including housing, academic, recreation, parking, and services. Short discussion of expansion potentials beyond 1970.

Barton-Aschman Associates, Inc. *Uptown Campus Plan, DePaul University*. Evanston, Illinois: The Authors, 1961. 22 pp. Maps.

A development plan concerned with determining areas for the expansion of the University and with creating a visual identity for the campus.

Blair Associates. *Rhode Island College Campus Development Plan 1960-1980*. Providence, Rhode Island: The Authors, 1959. 28 pp. Maps.

An increase in enrollment from 1,000 in 1960 to 4,000 in 1980 is forecast. Fifteen percent of the students to be housed on campus. Provision for 3,300 parking spaces. A detailed development plan, clearly presented. Statistical information contained in a separate booklet.

- - - - *Progress Report I: Rhode Island College of Education Development Plan*. Providence: The Authors, 1959. 5 pp., 8 plates. Mimeo.

Enrollment and space projections; building plans.

- - - - *Progress Report II: Rhode Island College of Education Development Plan*. Providence: The Authors, 1960. 9 pp., 2 plates. Mimeo.

Detailed enrollment and space projection; site plan; land acquisition proposals.

- - - - *Progress Report III: The Rhode Island College of Education Development Plan*. Providence: The Authors, 1960. 7 pp., 1 plate. Mimeo.

Preliminary outline of final report, development plan.

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An annual review of the developing plans of the City University of New York. The report describes the building program status, educational programs and adequacy of facilities and services for the faculty.

Board of Higher Education, City University of New York. *1964 Master Plan for the City University of New York, 3rd Interim Revision*. New York: The Author. June, 1967, 62 pp.

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Campbell, Michael Yost. *Portland State College Development Plan*. The Author. 1966. pp. 23. Maps.

Caudill, Rowlett, and Scott. *An Approach to College Design*. Bryan, Texas: The Authors, 1957.

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- - - - *Bowling Green State University Comprehensive Campus Plan*. Houston: The Authors, May 1966.

- - - - *Campus Planning Report for Mesa College*. Houston, Texas: The Authors, 1960.

A summary of existing and anticipated conditions affecting the growth of Mesa College. Analysis of projected growth and space requirements and an evaluation of recommendations for a long range plan.

- - - - *Campus Planning Study Southern Colorado and State College; Stage 2, Comprehensive Campus Plan*. Houston, Texas: The Authors, for the State Colleges of Colorado. September 1962. 71 pp.

Caudill, Rowlett, and Scott. *Daytona Beach Junior College Comprehensive Campus Plan*. Houston: The Authors, November 1966.

- - - - *Duke University Architectural Design Study*. Houston: The Authors, November 1963.

- - - - *Duke University Comprehensive Campus Plan, Phase 1*. Houston: The Authors, July 1964.

- - - - *William Rainey Harper College Comprehensive Campus Plan*. Houston: The Authors, 1967.

- - - - *Mahoning Community College Comprehensive Campus Plan*. Houston: The Authors, 1966.

- - - - *Mills College (New York City) Development Plan*. Houston: The Authors, May 1966.

- - - - *Monroe Community College Comprehensive Campus Plan*. Houston: The Authors, 1964.

- - - - *North Texas State University Comprehensive Campus Plan*. Houston: The Authors, May 1967.

- - - - *The Ohio State University Campus Planning Study, Phase I*. Houston, Texas: The Authors, August 1959. 132 pp. Maps.
Discussion of alternative solutions to various problems. Seven overall schemes for future campus development are presented and appraised. Brief discussions of enrollment, space needs, educational programs, and public planning activities.

- - - - *The Ohio State University Campus Planning Study, Phase II*. Houston, Texas: The Authors, 1961. 119 pp. Maps.
The recommended comprehensive development plan for the University. Provides a pattern for campus development by stages as required by increases in enrollment or changes in the programs.

- - - - *Ohio University (Athens, Portsmouth, Belmont County, Zaneville, and Chillicothe Campuses) Comprehensive Campus Plans*. Houston: The Authors, January 1966.

- - - - *Pima Junior College: An Approach to Campus Planning*. Houston: The Authors.

- - - - *University of Houston Comprehensive Campus Plan*. Houston: The Authors, December 1966.

- - - - *University of Miami Comprehensive Campus Plan*. Houston: The Authors, April 1967.

- - - - *University of Nebraska Comprehensive Campus Plan*. Houston: The Authors, 1967.

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- - - - *Master Plan Report Saint Mary's Abbey*. The Author. New Canaan, Conn., 1962.

Ciampi, Mario J., *et al*. *Planning for Action: University of Alaska*. San Francisco, Calif.: The Author, 1960. 53 pp. Maps.

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A three-dimensional framework for the development of the central campus. It deals with basic needs and principles of development and is intended to give continuity and direction to the University's future growth.

Crane and Gorwic in Collaboration with Lawrence Coleman. *University of Kentucky Lexington Campus General Development Plan*. The Authors, Detroit, Michigan. June 1963. 55 pp.

Creese, Walter L. *Report on the Belknap Campus*. University of Louisville, 1958.

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Garber, Tweddel and Wheeler. *U. C. Plans No. 1*. Cincinnati, Ohio: The Authors, April 28, 1960. 31 pp.

A preliminary plan for the campus of the University of Cincinnati. Also reviews program elements and planning analysis. Good graphics.

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Harland Bartholomew and Associates. *Butler University Long-Range Campus Development Plan*. St. Louis, Missouri: The Authors, January 1959. 38 pp.

- - - - *Campus Development Plan, Westminister College*, St. Louis: The Author. 1963.

- - - - *Chaminade College and St. Louis High School Campus Development Plan*, Honolulu: The Author. 1962.

- - - - *Dickinson State College Campus Master Plan*, Washington, D. C.: The Author. 1964.

- - - - *Ellendale State Teachers College Campus Master Plan*, Washington, D. C.: The Author.

- - - - *Illinois Wesleyan University Long-Range Campus Development Plan*. St. Louis, Missouri: The Authors, August 1960. 43 pp.
A plan designed to accommodate a total projected enrollment of 2,000 students. Contains several statistical appendices.

- - - - *The Kemper School Long Range Campus Development Plan*. St. Louis, Missouri: The Authors, 1960. 22 pp. Maps.

- - - - *Site Study for Proposed Junior College (Detroit Area)*. St. Louis, Missouri: The Authors, 1960.
A study prepared for the Lutheran Church, Missouri Synod.

- - - - *Mayville State College Campus Master Plan*. Washington, D. C.: The Author, 1964.

- - - - *Minot State College Campus Master Plan*. Washington, D. C.: The Author, 1964.

- - - - *North Dakota State School of Forestry Campus Master Plan*. Washington, D. C.: 1964.

- - - - *North Dakota State University Campus Master Plan*. Washington, D. C.: 1964.

- - - - *Outline Report, Maunaolu College, Paia, Maun, Hawaii*. Honolulu: The Author, 1962.

- - - - *Summary Report on Facilities Study of State Institutions of Higher Learning, North Dakota State College*. Washington, D. C.: The Author, 1964.

Harland Bartholomew and Associates. *University of Hawaii General Campus Development Plan*. Honolulu, Hawaii: The Authors, 1960. 49 pp. Maps.

Land requirements and a development plan. Includes a study of enrollment trends, forecasts of future enrollment, analysis of teaching loads, and forecasts of future space needs for academic, administrative, and service functions to 1977.

- - - - *University of North Dakota Campus Master Plan*. Washington, D. C.: The Author, 1964.

- - - - *Valley City State College Campus Master Plan*. Washington, D. C.: The Author, 1964.

- - - - *West Pakistan Agricultural University Campus Master Plan*. Washington, D. C.: The Authors, July 1963. 65 pp. Appendices.

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- - - - *Cleveland State University, Preliminary Report, Campus Planning Study, 1966*. Cleveland, Ohio: The Authors, April 1966. 29 pp.

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A study to establish the basic academic and physical objectives of the Chicago Professional Colleges of the University of Illinois. Involves: determination of the interrelationships of components, program for supporting facilities, evaluation of currently proposed building program, and the preparation of a long-range plan.

Rodgers, Joseph Lee, Richard Norton Kuhlman and Charles Robert Goins. *Physical Development Plan. The University of Oklahoma and Environs 1965-1985*, Norman, Oklahoma, The Oklahoma Center of Urban and Regional Studies of the University of Oklahoma Research Institute, December 1966, 97 pp.

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Sasaki, Dawson, DeMay Associates, Inc. The University of Virginia Development Plan, Watertown, Mass.: The Authors, 1965.

- - - - Master Plan Studies, Hampshire College, Amherst Massachusetts, Watertown, Mass.: The Authors, 1966.

- - - - Master Plan Studies for Carnegie-Mellon University Preliminary Report, October 1967. 22 pp. Maps.

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- - - - Planning for Action -- Progress Report No. 4: University of Alaska. Palo Alto, California: The Author, 1960.

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- - - - Long Range Development Plan, University of California, Santa Cruz. 1963. 44 pp. Maps.
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- - - - Long Range Development Plan, University of California, San Diego. Berkeley: The Author, 1963.

- - - - University of California South Central Coast Campus: Site Selection Study. Prepared by Lawrence, Livingston, Jr., and John Carl Warnecke. San Francisco, California: The Authors, 1959. 84 pp. Maps.
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A revision of the 1952 long range development plan for a campus with a long tradition of good planning. The report includes Bernard's Revised Plan of 1900, the Phoebe A. Hearst Plan of 1914, and a description of the organization for the planning function on the Berkeley campus.

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William L. Pereira and Associates, Architects.

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- - - - *The Core Area Plan for the University of Wisconsin - Milwaukee: Kenwood Campus*. Madison, Wisconsin: The Authors, 1961. 30 pp. Maps.

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A summary of a general master plan for Wayne State University and a related urban renewal project.

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A study undertaken jointly by the University of California and the Irvine Company. Presents a master land use plan for the integrated development of a campus and surrounding community.

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UNIVERSITY ARCHITECTURE

General -

"Architecture and Teaching: New Universities' Views," *Times Educational Supplement*, No. 2565 (July 17, 1964), p. 112.

"Architecture that gives a Campus the Unity of a Single Building," with an account by J. Barnett. *Architectural Record*, Vol. 140, no. 4 (October 1966), pp. 145-160.

The article with its photographs and drawings shows how "Paul Rudolph's design for Southeastern Massachusetts Technological Institute makes all the buildings part of a single architectural concept . . ."

"Architecture that Transforms a Campus," *Architectural Record*, Vol. 137, no. 5 (May 1965), pp. 157-168.

Photographs and plans show how two new dormitories and a dining commons give the campus "a more residential academic atmosphere". The buildings were designed by the Architects Collaborative.

"Bath University," *Official Architecture & Planning*, Vol. 30, no. 4 (April 1967), pp. 517-518.

Plans, diagrams and sketches of the new campus for Bath University.

Beidler, Paul. "College Architecture," *School and Society*, Vol. 66, no. 1715 (November 8, 1947), pp. 363-365.

A short article arguing for university leadership in contemporary architecture on the campus.

"Big Campus for Chicago: New Downtown Campus for the University of Illinois," *Architectural Forum*, Vol. 121, no. 2 (August-September 1964), pp. 148-151.

"Big Change on the Campus," *Architectural Forum* (March 1963), pp. 76-91.

New College Architecture.

Brett, Lionel. "Universities, 2, Today," *Architectural Review*, Vol. 122, no. 729 (October 1957), pp. 240-251.

A criticism of English university architecture and statements on what needs to be done to redress its upset balance.

"Building Types Study 305 - College Buildings," *Architectural Record*, Vol. 131, no. 4 (April 1962), pp. 125-148.

This issue of the Record contains an article by Jonathan Barnett on "The New Collegiate Architecture at Yale", a series of drawings of "Yale's New School of Art and Architecture", drawings of Marcel Breuer's four buildings at New York University's Bronx campus, an article focusing on the sun screens at the Newton and Alexander Fine Arts Building at San Fernando State College and an article describing Yamasaki's "tree" reinforced concrete forms at Wayne State University's College of Education building.

"Building Types Study 323: College Buildings," Architectural Record, Vol. 134, no. 2 (August 1963), pp. 109-145.
This study focus on buildings at two new campuses at contrasting locations and on new buildings which expand existing college facilities. The two new campuses are at the New Southern Illinois Campus and the Chicago Campus of the University of Illinois. The new buildings described include an art gallery, science center and dining facilities. The study also has an article by John Morrisseau "Some Basics of Campus Planning."

"Building Types Study 347: College Buildings," Architectural Record, Vol. 137, no. 7 (June 1965), pp. 143-166.
This study contains an article by Jonathan Barnett, "College Buildings should be part of unified campus design," and articles, drawings, plans and photographs of new buildings on a number of campuses.

"Building Types Study 351: College Buildings," Architectural Record, Vol. 138, no. 4 (October 1965), pp. 137-160.
A number of new college buildings at a variety of institutions are described in brief paragraphs, photographs and plans. The goal of the study is to show how design innovations "have made solid incursions into the burgeoning college construction field."

"Building Types Study 358: Designing the Campus," Architectural Record, Vol. 139, no. 5 (May 1966), pp. 165-188.
This study focuses mainly on the University of Massachusetts and buildings by Hugh Stubbins and Associates, Mancell Beur and Associates, Campbell, Aldrich and Nulty, Edward Darrell Stone, and Eero Saarinen and Associates, Inc. and the stadium by Paul Weidlinger, engineer, and Skidmore, Owings and Merrill, Architects.

Bush-Brown, Albert. "Cram and Gropius: Traditionalism and Progressivism," New England Quarterly (March 1952), pp. 2-23.
A study of two graduate schools, Princeton and Harvard.

Cameron, William Bruce and Raymond H. Wheeler. "Physical Setting and Intellectual Climate," School and Society, Vol. 89, no. 2187 (February 25, 1961), pp. 75-78.

"Campus Architecture," Architectural Record, Vol. 112, no. 2 (August 1957), pp. 136-211.
A discussion of the philosophy of campus architecture, followed by an account of the forms and effects of building grouping.

"Campus Architecture Criticized Again," Architectural Forum, Vol. 118, no. 1 (January 1963), p. 8.
A brief news report of the reaction of architectural students to mediocre buildings at Columbia and the University of Texas and the resulting support the students received from alumni and critics.

"Campus Design by Function, Not by Discipline," *Architectural Record*, Vol. 130, no. 4 (October 1961) pp. 12-13.
Brief description of the proposed master plan for the new Chicago campus of the University of Illinois.

Canty, D. "Universities: Tall New Symbols of their Significance; Sixty Odd Colleges and Universities in the Boston Region," *Architectural Forum*, Vol. 120, no. 6 (June 1954), pp. 114-123.
This issue of the "Forum" focuses on Boston. This article on the "towering symbols" of the academic community suggests the urban campus can set a good example for urban planning and design.

Casson, Hugh, and N. Conder. "Proposed Development for Birmingham University," *The Town Planning Review*, Vol. 29, no. 1 (April 1958), pp. 7-26.

Cerny, Robert G. "Educational Use Shapes the Structure," *American School and University*, Vol. 37, no. 3 (November 1964), pp. 29-31.
This article reviews trends in functions and materials that will effect architectural form.

"Choosing Elevators for the Multi-Story College Structure," *Architectural and Building News*, Vol. 4, no. 5 (May 1962), pp. 129-130.
Investigates the question of vertical transportation in classroom buildings and dormitories.

Claxton, Kenneth. "Constructional Techniques in University Buildings," *Official Architecture & Planning*, Vol. 30, no. 4 (April 1967), pp. 519-530.
"Two completely different approaches to university building are discussed in this article: the use of a lightweight industrialized system at York and of rationalized existing organizational conventions at Warwick . . . "

"College Gothic in Modern Dress," *Architectural Forum*, Vol. 115, no. 3 (September 1961), pp. 126-131.
Examples of "a rich and growing trend" from 4 campuses: General Engineering Building at the University of Washington, Harvard University's Leverett House, Bellarmine Classroom Building at St. Joseph's College in Philadelphia, and the Life Sciences Research Center at Wayne State University in Detroit.

"A College Is Born," *Overview*, Vol. 1, no. 3 (March 1960), pp. 51-55.
Creation of Florida Presbyterian College in St. Petersburg. Illustration of plan.

"Colleges: the Education Explosion," *Architectural Forum*, Vol. 116, no. 2 (February 1962), pp. 51-82.
This issue of the Forum is devoted largely to college building with special focus on Foothill College, the art building at the University of Georgia, a shrine at Mount Holyoke College and Cornell's Olin Library.

"Consistency in Colorado," *The Architectural Forum*, Vol. 125, no. 3 (October 1966), pp. 54-63.

A description of "the most successful effort in the U. S. today to integrate new buildings with an existing campus." Photographs and plans of recent site developments and building at the Boulder Campus of the University of Colorado.

Crane, Gerald E. "Urban Design and Campus Planning." Paper delivered to the conference on "The University and the City -- Planning and Urban Renewal" held at the McGregor Memorial Conference Center in Detroit on January 29-31, 1961.

- - - - and Norbert H. Gorwic. *The Three Dimensional Use Model: A Technical Device for Institutional Planning*. Detroit, Michigan: The Authors, 1961.

Creese, Walter L. "Architecture and Learning: A Collegiate Quandary," *Magazine of Art*, Vol. 43 (April 1950), pp. 136-141.

A discussion of architectural philosophy and its relation to academic buildings. Includes an account of the short history of American college design.

"Designing with Deference," *Architectural Record*, Vol. 133, no. 3 (March 1963), pp. 142-4.

A group of campus projects by Hugh Stubbins and Associates show architectural solutions to a variety of environmental requirements. The projects are a medical library at Harvard, and dormitories at the University of Massachusetts, Princeton, M.I.T. and Bowdin.

"Designs for Colleges As Seen by Montclair Planners," *American School and University* (1953-54), pp. 218-238.

Describes the building needs of the State Teachers College in Montclair, New Jersey. Comparison is made with existing conditions in other colleges visited by the faculty of the college.

Dixon, J. M. and Blake, Peter. "How to Grow a Campus," *Architectural Forum*, Vol. 124, no. 3 (April 1966), pp. 57-68.

This article deals with expansion of two university sites: Tougaloo College and the University of Washington. It focuses on the development of a new plan by Gunnar Birkert and Associates at the former and on the winning scheme for a new school of law and additions to the Social Science Center at the latter.

Dober, R. "Colorado Transition: Style to Plan," *Landscape Architecture*. Vol. 51 (April 1961), pp. 172-173.

"Dramatic Renewal on Campus: Columbia's Manhatten Campus," *Architectural Forum*, Vol. 121, no. 1 (July 1964), pp. 114-117.

This illustrated article shows how an old classroom building can be renovated and the advantages of doing so.

"Educational Building in 1958," American School and University (1959-60), pp. 101-120.

A report of the Tenth Annual Building Survey conducted by the magazine. Also contains a review of selected new buildings.

Educational Facilities Laboratory, Inc. New Schools for New Education. New York: The Author, 1960.

Workshop conference summary. Interesting and useful ideas about the future physical form of the American high school. Some of the best current ideas in a field of research which is closely linked to design for higher education.

Ehrenkrantz, Ezra. "Flexible Spaces for Learning and Living," (George R. Larke ed.) Challenges in Planning for Tomorrow, Proceedings of Annual Conferences, California School Facilities Council, UCLA - December 19-20, 1966. Los Angeles, California: California School Facilities Council, 1966, pp. 41-48.

Evenden, Edward S., G. D. Strayer, and N. L. Engelhardt. Standards for College Buildings. New York: Teacher's College, Columbia University, 1938.

A useful kind of programming guide. Material like this needs to be brought up to date.

"For a New College an Old Village Silhouette," Architectural Forum, Vol. 101, no. 6 (December 1954), pp. 132-137.

A brief description and illustration of the new Concordia Senior College in Fort Wayne, Indiana. Eero Saarinen and Associates, Architects.

Fry, Maxwell. "The Aesthetics of University Building," Universities Quarterly, Vol. 18, no. 4 (September 1964), pp. 341-51.

This essay presents subjective answers to two questions: What is the aesthetic appropriate to a university building? Are aesthetics necessarily involved?

Galantay, E. "Architecture; Campus Design; Callenge to Architects," Nation, Vol. 202 (June 27, 1966), pp. 789-790.

Gropius, Walter A. "Not Gothic but Modern for Our Colleges," New York Times Magazine (October 23, 1949), pp. 16-18.

Hamlin, Talbot Faulkner (ed.) Forms and Functions of Twentieth Century Architecture. New York: Columbia University Press, 1952.

In this work, see John C. B. Moore, "Colleges and Universities," pp. 623-674.

Haskell, Douglas. "Unrecognized Architecture," Architectural Forum, Vol. 115, no. 5 (November 1961), p. 236.

A short column with a plea for colleges not only to teach architecture, but also to believe in it.

Hudnut, Joseph. "On Form in Universities," *Architectural Record*, Vol. 102, no. 6 (December 1947), pp. 88-93.
A discussion of form and function in university buildings. Some comments very relevant to campus planning.

Johnson, Phillip C. *Mies Van der Rohe*. New York: Museum of Modern Art, 1947. 207 pp. $7.50.
Illinois Institute of Technology Campus Plan, pp. 131-160.

Larson, J. F. and A. M. Palmer. *Architectural Planning of the American College*. New York: McGraw-Hill Book Co., 1933.

Le Corbusier and Jeaneret. *Oeuvre Complete, 1934-1938*. 5th ed. Zurich: Editions Girsberger, 1953.
Plan for the site of the University of Brazil in Rio de Janeiro. Brazil (1936). pp. 42-45.

Litchfield, Lawrence. "Contemporary Building on the Traditional Campus," *American School and University*, Vol. 37, no. 9 (May 1965), pp. 15-18+.
The author discusses the problem of effecting a harmonious relationship between old and new campus buildings. Four New Jersey campuses provided examples of some of the ways in which the problem can be tackled.

Lopez, Frank G. "Whence Come These Modern Buildings?" *Architectural Record*, Vol. 107, no. 6 (June 1950), pp. 102-105.
Makes a plea for recognition of the worth of good modern college architecture.

MacShane, Frank. "The Horrors at Berkeley, or Did Architecture Make Students Riot?" *Art News*, Vol. 64, no. 3 (September 1965).
This article criticizes the new buildings of the University of California at Berkeley and suggests that the "... attendant violation of human values in both education and architecture" are partly responsible for the recent riots and crises at Berkeley. The question raised in the article is important but inadequately considered. Perhaps it will lead to the scientific analysis of sociological and psychological relationship between buildings and spaces and their users.

McKelvey, A. W. "New College, New Campus," *College and University Business*, Vol. 20, no. 3 (March 1956), p. 52.
A short description of the new campus for Santa Barbara College of the University of California. Pereira and Luckman, Architects.

"Miami University Campus Plan," *The Miami Alumnus*, Vol. 14, no. 1 (September 1960), pp. 10-11.
A map and key.

Miller, Richard. "Harvard's Course in Continuity," *Architectural Forum*, September 1960.

"The Mood of a Great Campus," *Architectural Forum*, Vol. 116, no. 2 (February 1962), pp. 74-81.
A fresh look at Jefferson's University of Virginia.

Mumford, Lewis. "Skyline: Hunter College, Skyscraper School," *New Yorker*, Vol. 16 (November 16, 1940), pp. 84-86.

"The New Campus," *Architectural Forum*, Vol. 124, no. 5 (May 1966), pp. 30-55.
Oscar Newman describes the University of Toronto's Scarborough campus, John Andrews and Associates, Architects, analyzes new campus layouts at Berlin Free University,the University of Illinois at Chicago, Phillipps University, Marburg, Germany and Forest Park Community College at St. Louis.

"New College Architecture," *Architectural Forum*, Vol. 118, no. 3 (March 1963), pp. 76-91.
Examples of the work of leading architects at a number of universities are reviewed. These include LeCorbusier's Visual Arts Center at Harvard, dormitories at the University of Washington and student center at England's Sussex University.

Newman, Oscar. "New Directions in Campus Architecture." A paper presented to the Annual Conference of the Society for College and University Planning, Portland, Oregon, August 1966. pp. 15. Mimeographed.
A discussion of the need for, recognition and acceptance of a new aesthetic of architecture hung on the new campus.

"A New University Takes Shape in Chicago," *Architectural Forum*, Vol. 115, no. 5 (November 1961), p. 39.
Oblique view of model of campus later to be built by the University of Illinois at Congress Circle in Chicago.

"New Work in the Office of Ed Stone: College," *Architectural Forum*, Vol. 115, no. 4 (October 1961), pp. 128-129. Map.
A brief description of a new college campus for Beirut, Lebanon. Features include: circular classrooms, elliptical sheltered walkway unifying the composition of buildings, hilltop site.

O'Conner, R. B. "Trends in College Architecture," *College and University Business*, Vol. 22, no. 5 (May 1957), pp. 40-44.
A discussion of architectural philosophy with regard to campus building and development. Makes the point that long-range campus planning and visual appreciation must not be swept aside in the sheer necessity for additional space.

Page, J. K. "Academic Goals and University Buildings," *Universities Quarterly*, Vol. 18, no. 3 (June 1964), pp. 301-8.
"The permanence of a university lies in its ability to go on setting itself suitable new academic goals continuously and we can only judge the success of its architecture in these terms." In this article Page discusses why this is so.

Parkes, David and Johnson-Marshall, Stirrat. "Cost Control," *The Architectural Review*, Vol. 134, no. 800 (October 1963), pp. 287-288.
The article deals with the relationship between financial policy and architectural quality in the university setting.

"Planning the University of Baghdad," *Architectural Record*, Vol. 129, no. 2 (February 1961), pp. 107-122. Map.
A well-illustrated article explaining the design by The Architects Collaborative International Limited for a new campus along the Tigris River.

"A Prototype for Community Colleges," *Architectural Forum*, Vol. 111, no. 5 (November 1959), pp. 134-139. Map.
A description of Foothill College, a new junior college in California for 3,500 full-time students which will become the educational and cultural center of the community it will serve. Ernest J. Kump and Masten and Hurd, Associated Architects.

"The Revolution in Campus Design," *Columbia College Today*, Vol. X, no. 1 (Fall 1962). Published by The Association of the Alumni and the Dean of Columbia College.

Eero Saarinen and Associates. "Planning the Campus of Brandeis University," *American School and University* (1951-52), pp. 313-326.
Description of the plan and individual buildings. Includes a list of individual building costs.

Scully, Mark F. and Francis G. Cornell. "Obsolescence and Modernity in College Plant Facilities," *American School and University* (1959-60), pp. 47-50.

Scully, Vincent. "Architecture and Man at Yale," *Saturday Review* (May 23, 1964), pp. 26-29.

"Shrine Set on a Slope," *Architectural Forum*, Vol. 116, no. 2 (February 1962), pp. 62-63.
Part of a section titled, "Colleges: The Education Explosion." Discusses a new center for meditation on the campus of Mount Holyoke College in western Massachusetts.

"Some New University Buildings: Designs and Models," *Times Educational Supplement*, No. 2555 (May 8, 1964), pp. 1248-1249.

"A Stage Is Set for Art," Architectural Forum, Vol. 116, no. 2 (February 1962), pp. 58-61.

A review of the new art building for the University of Georgia. The building is called an interesting illustration of today's drift away from functionalism. This article is part of a section titled, "Colleges: The Education Explosion."

Stone, Edward D. "The Case for Modern Architecture on the Campus," The Technology Review, Vol. 62, no. 7 (May 1960), pp. 27-29.

Stubbins, Hugh, Jr. "What Do Colleges Really Want?" Architectural Record, Vol. 99, no. 4 (April 1946), pp. 106-108.

Deals with the implications involved in "matching" new buildings with the existing, or the creation of new ones with their own inherent identity.

"Sussex University College," The Times Educational Supplement (London), No. 2341 (April 1, 1960), p. 666.

Brief description and plan of this new college.
Sir Basil Spence, Architect.

Swinburne, Herbert H. "Temple University's Master Expansion Program," American School and University (1958-59), pp. 97-110.

Discussion of the planning approach and a review of the individual buildings. Contains a detailed listing of internal space requirements. Nolen and Swinburne, Architects.

"Technical College at Colchester," Architectural Review, Vol. 125, no. 747 (April 1959), p. 280.

Plan and photographs of the college.
Harold Conolly, Architect.

Temko, Allan. "Foothill's Campus Is a Community in Itself," Architectural Forum, Vol. 116, no. 2 (February 1962), pp. 54-57.

Part of a section titled, "Colleges: The Education Explosion." An article about a new junior college on a 122 acre site in Los Altos, California. The design by Architect Ernest J. Kump and Associates Masten and Hurd is roundly praised for its harmony and liveliness.

Toningan, Richard F. "Rehabilitating Facilities for Modern Use," R. F. Tonigan, American School and University, Vol. 38, no. 10 (June 1966), pp. 47-48.

Many schools and universities have successfully converted dated facilities into modern serviceable educational areas. The article briefly discusses some of these conversions and pitfalls to avoid.

"Universities," A Special Issue of The Architectural Review, Vol. 134, no. 800 (October 1963).

This issue contains photographs, plans and sketches of a number of the new universities in the United Kingdom together with articles on site planning, cost control and student accommodation.

"A University Campus Plan Under Way," *Architectural Record*, Vol. 102, no. 6 (December 1947), pp. 71-87.
A description of the expansion program at Drake University in Des Moines, Iowa. Plans and many illustrations. Saarinen, Swanson and Saarinen, Architects.

University Facilities Research Center. *Plumbing Fixture Requirements in University Instructional and Research Buildings*. Madison, Wisconsin: The Author with the Educational Facilities Laboratories, Inc. of the Ford Foundation, October 1961.

"The University of British Columbia," *The Canadian Architect*, Vol. 7, no. 11 (November 1962), pp. 36-61.
The campus plan and illustrations of several distinguished buildings. Thompson, Bencock and Pratt, Architects.

"University of Miami," *Architectural Forum*, Vol. 89, no. 1 (July 1948), pp. 75-82.
Description and illustrations of the campus plan and buildings. Robert Law Weed and Associates, Architects.

"University of Nigeria," *Architectural Review*, Vol. 125, no. 744 (February 1959), pp. 133-136.
A description of the campus and academic buildings. James Cubitt and Partners, Architects.

"University Preview," *The Architectural Review*, Vol. 134, no. 800 (October 1963), pp. 275-282.
A series of photographs and sketches of extensions and additions to existing universities and colleges in the United Kingdom.

Yguado, Jose Luis. "A Plan for University of New Mexico," in *The New Mexico Architect*, Vol. 4, nos. 3 and 4 (March-April 1962), pp. 21-23.

Young, T. "Building Problems of Urban Universities," *Journal of the American Institute of Architects*, Vol. 8, no. 3 (September 1947), pp. 124-132.

Academic Buildings -

Alexander, Robert E. "Designing for Science at Orange Coast College," *American School and University* (1959-60), pp. 77-84.
A description of the science college. Neutra and Alexander, Architects.

"Art Center Emphasizes Teaching," *Architectural Record*, Vol. 107, no. 6 (June 1950), pp. 130-132.
Fine Arts Center at University of Arkansas in Fayetteville. Edward D. Stone; Haralson and Mott, Associated Architects.

Auburn, Norman P. "Multipurpose Building," *College and University Business*, Vol. 20, no. 5 (May 1956), pp. 36-40.
A description of the Arts and Sciences Building at the University of Akron. W. Boyd Huff, Architect.

"Behavioral Sciences Building, Harvard University," *Architectural Record*, Vol. 130, no. 1 (July 1961), pp. 126-127.
A white, 15-story tower. Minoru Yamasaki and Associates, Architects.

"Boylston's Fifth Incarnation," *Architectural Forum*, Vol. 113, no. 1 (July 1960), pp. 90-93.
The rebuilding of Boylston Hall at Harvard University. The Architect's Collaborative International Limited.

Browne, W. Chester. "Planning for the Atomic Age," *College and University Business*, Vol. 28, no. 2 (February 1960), pp. 42-45.
The Nuclear Engineering Center at Lowell Technological Institute. W. Chester Brown and Associates, Architects.

"Campus Beat . . . and Offbeat," *Architectural Forum*, Vol. 115, no. 3 (September 1961), pp. 88-93.
Three academic buildings forming a new quadrangle at Brandeis University in Waltham, Massachusetts. The Architect's Collaborative International Limited, Architects.

Caudill, Rowlett and Scott. Investigation No. 4: *On-The-Spot Design of a School for Religion.* Prepared by Frank D. Lawyer. Houston, Texas: The Authors, 1960.

- - - - *Investigation No. 5: The Team Approach to Planning a College Science Building*. Prepared by David B. Yarbrough. Houston, Texas: The Authors, 1960.

"Concrete for Complex forms of a Lecture Hall, Stony Brook Campus of the State University of New York," *Architectural Record*, Vol. 140, no. 5 (November 1966), pp. 142-143.

"The Concrete Orchard," *Architectural Forum*, Vol. 111, no. 4 (October 1959), pp. 139-141.
The new forestry research laboratory at Yale University. Paul Rudolph, Architect.

"Contemporary Design Amidst Collegiate Gothic," *Architectural Record*, Vol. 112, no. 4 (October 1952), pp. 159-163.
Classroom building for graduate study at Concordia Seminary in Clayton, Missouri. Kenneth E. Wischmeyer, Architect.

Davis, Henry H. and Leslie G. Moeller. "Promising Practices in the Educational Planning of New College Buildings," *American School and University* (1955-56), pp. 319-326.
An account of the way in which the faculty participates in the planning of the communications center at the State University of Iowa.

"Designed for 600 lb. Live Loads," *Architectural Record*, Vol. 112, no. 4 (October 1952), pp. 154-158.
Engineering buildings at the University of California, Los Angeles Campus. Allison and Rible, Architects.

"Drama Center for Harvard," *Architectural Record*, Vol. 128, no. 3 (September 1960), pp. 151-160.
The Loeb Drama Center, Harvard University. Hugh Stubbins and Associates, Architects.

Educational Facilities Laboratories, Inc. *Design for ETV. Planning for Schools with Television*. New York: The Author, 1960. pp. 96.
A discussion of room types and arrangements for the effective use of television in education. Plans and sketches showing layouts for classrooms of varying sizes for different age groups.

- - - - *A Divisible Auditorium, Boulder City, Nevada*. New York: The Author, 1962.
Case study of design of a three-section auditorium with movable walls. Fourth in a series of "Case Studies of Educational Facilities."

- - - - *New Building on Campus; Six Designs for a College Communications Center*. New York: The Author, 1963.
Graphic interpretations by 6 Architectural Forms through which Renselear Polytechnic selected the architect for the instructional research and communications center that will be the focal point of a new science complex.

"Engineering Laboratory, Harvard University," *Architectural Record*, Vol. 130, no. 1 (July 1961), pp. 128-129.
Ingenious design with prestressed elements. Minoru Yamasaki and Associates, Architects.

"Fine Arts, with Emphasis on Music," *Architectural Record*, Vol. 107, no. 6 (June 1950), pp. 133-135.
The Fine Arts Center at Maryville College in Tennessee. Schweikher and Elting, Architects.

Fitch, James Marston. "A Building of Rugged Fundamentals," *Architectural Forum*, Vol. 113, no. 1 (July 1960), pp. 82-87.
A description of the new laboratory building at the University of Pennsylvania. Louis Kahn, Architect.

- - - - "Wellesley's Alternative to 'Collegiate Gothic'," *Architectural Forum*, Vol. 111, no. 1 (July 1959), pp. 86-96.
Jewett Arts Center at Wellesley College. Paul Rudolph, Architect.

"Fitting the Future into the Past," *Architectural Forum*, Vol. 105, no. 6 (December 1956), pp. 100-106.
Description of a modern arts center designed to harmonize with the architectural traditions of Wellesley College. Paul Rudolph, Architect.

Gardner, R. S. "Media Facilities at the State University of New York at Albany," *American Association of Colleges for Teacher Education. Yearbook*, Vol. 18.

"Harrison Hightower Textile Engineering Building," *Architectural Record*, Vol. 107, no. 6 (June 1950), pp. 124-129.
At the Georgia Institute of Technology in Atlanta. Bush-Brown, Gailey and Heffernan, Architects.

"Harvard Builds for Science," *American School and University*, Vol. 38, no. 3 (November 1965), pp. 38-39.
This illustrated article briefly describes the new David and Arnold Hoffman Laboratory of Experimental Geology at Harvard. The building is used to house a large number of diverse research activities.

Kaufman, A "Where Administration and Business Meet," *College and University Business*, Vol. 30, no. 1 (January 1961), pp. 30-31.
The combines business school and administration building at the University of Massachusetts. Campbell and Aldrich, Architects.

Kohler, O. C. "Good Teaching Deserves Good Housing," *College and University Business*, Vol. 21, no. 5 (November 1956), p. 40.
Description of the Newcomb Cleveland Lecture Hall and Chemistry Building and Mount Holyoke College. Douglas Orr, Architect.

"Law School Center, University of Chicago," *Architectural Record*, Vol. 128, no. 5 (November 1960), pp. 132-135.
Brief description of the center. Eero Saarinen and Associates, Architects.

"Le Corbusier Builds at Harvard," *Architectural Forum*, Vol. 115, no. 6 (December 1961), pp. 108-111.
A new visual arts center.

"Mies' Enormous Room," Architectural Forum, Vol. 105, no. 8 (August 1956), pp. 104-111.
Crown Hall for the Department of Architecture at Illinois Institute of Technology. Ludwig Mies van der Rohe, Architect.

"New Building Designed for A-V Use," *American School and University*, Vol. 38, no. 8 (April 1966), pp. 39-41.
Three new buildings designed for use of audio-visual materials are described and illustrated in this article. They are the Indian Hills, Elementary School, Gallup, New Mexico by Kruger, Lake and Henderson, an automated Lecture Hall at Ithaca, New York High School by Holt & Downing and Schoolcraft Community College, Livonia Michigan by Erble M. Smith Associates.

"New Engineering School for Maryland University," *Architectural Record*, Vol. 102, no. 6 (December 1947), pp. 100-105.
The Glenn L. Martin College of Engineering and Aeronautical Sciences. Plan is illustrated. Skidmore, Owings and Merrill, Architects.

"A New Manner at Brandeis," *Architectural Record*, Vol. 131, no. 1 (January 1962), pp. 121-126.
The new Social Science Center by The Architect's Collaborative International Limited.

"Nuclear Science Center," *Overview*, Vol. 1, no. 10 (October 1960), p. 58.
The reactor building at Texas A & M College.

Office of Institutional Research and Planning. *Program Requirements for the Development of the Life Sciences Center for Psychology and the Biological Sciences*. Boulder, Colorado: The Author, July 1964.

"School of Industrial Administration," *Architectural Record*, Vol. 107, no. 6 (June 1950), pp. 136-137.
At the Carnegie Institute of Technology in Pittsburgh, Marlier and Johnson, Architects.

"S.I.U. super complex for the communications arts," *American School and University*, Vol. 38, no. 9 (May 1966), pp. 104-5.
This is a brief description of the $20 million complex at Southern Illinois University at Carbondale. It is accompanied by a plan and a photograph of stage one of the construction.

Tanner, Ogden. "The Importance of Good Connections," *Architectural Forum*, Vol. 110, no. 3 (March 1959), pp. 94-99.
Description of a new classroom addition at the University of Pennsylvania with special reference to its association with existing adjacent structures. Geedes, Brecher and Cunningham, Architects.

"Two Buildings, Christian Brothers College," *Architectural Record*. Vol. 128, no. 5 (November 1960), pp. 144-145.
Brief description of the classroom and dormitory buildings at Christian Brothers College, Memphis, Tennessee. A. L. Aydelott and Associates, Architects.

"University Building by a Master Hand; Alvar Aalto's New Classroom Complex for the Finnish Technical Institute, Helsinki," with commentary by F. Gutheim, Architectural Record, Vol. 137, no. 4 (April 1965), pp. 169-176.
Photographs, plans and sketches of the complex in suburban otaniemi.

University Facilities Research Center. *Horizontal and Vertical Circulation in University Instructional and Research Buildings*. Madison, Wisconsin: The Author, November 1961. 19 pp.
A good and useful study. Technical. Tables.

University Facilities Research Center with the Educational Facilities Laboratories. *University Research Buildings for Short-Term Grant Programs*. Madison, Wisconsin: The Author, 1961.

"Yale's New Art and Architecture Building," *Architectural Record*, Vol. 131, no. 1 (January 1962), pp. 16-17.
Paul Rudoph, Architect.

Libraries -

"Additions to Wheaton College: Norton, Massachusetts," *Architectural Forum*, Vol. 78, no. 1 (January 1943), pp. 81-88.
Library addition and science building by Hornbostel and Bennett, Architects.

Bowker, R. R. *American Library Association Standards for College Libraries*. New York: American Library Association. 1959.

"Building Types Study 362: Design for the Campus," *Architectural Record*, Vol. 140, no. 3 (September 1966), pp. 195-218.
A residential complex at Williams by the Architects Collaborative and five new university libraries, two at Brown and one each at Hofstra, California and Providence are described in this study. The architects for the first three libraries are Warner Burns Toan Lunde, and A. Quincy Jones and Frederick E. Emmons, and Kenneth de May for the last two mentioned.

Burchard, John E., Charles W. David, and Julian P. Boyd. *Planning the University Library Building*. Princeton, New Jersey: Princeton University Press, 1949. 145 pp. $2.50.

"Consultation Among Institutions Precedes Library Design," *Architectural Record*, Vol. 107, no. 6 (June 1950), pp. 138-142.
Description of the Fondren Library at the Rice Institute in Houston, Texas. Staub and Rather, Architects.

"Continuity Without Compromise," *Architectural Forum*, Vol. 112, no. 2 (February 1960), pp. 92-97.
Description of the new library at Bennington College, Special reference to the possible harmony of modern architecture within the traditional New England setting. Pietro Belluschi, Architect.

Ellsworth, Ralph E. "Changing Role of the University Library," *Library Journal*, Vol. 38, no. 7 (April 1, 1963), pp. 1405-11.
The implications of growth in library size and changes in library usage are discussed from both the administrators and users point of view.

- - - - "Planning the College or University Library," in (George R. Larke ed.) *Challenges in Planning for Tomorrow, Proceedings of Annual Conference, California School Facilities Council, U.C.L.A. - December 19-20, 1966*. Los Angeles, California: California School Facilities Council, 1966. pp. 49-58.

"Gothic Campus Gets a Contemporary Building," *Progressive Architecture*, Vol. 41, no. 4 (April 1960), pp. 178-188.
The library-classroom complex at Hunter College. Marcel Breuer, Architects.

Kaplan, L. (ed.) *The Chicago Conference: Cooperative Committee on Library Building Plans*. Chicago: Cooperative Committee on Library Building Plans, 1948.
University library standards and plans were discussed at this conference.

Krenitsky, Michael V. "Approach to a University Library Design," *American School and University* (1957-58), pp. 377-388.
A research report (#13) by Caudill, Rowlett, Scott and Associates. Discusses how this firm approached the problem of designing a functional library building on a predetermined site at Washington University in St. Louis, Missouri.

"Library, Gwynedd Mercy Junior College," *Architectural Record*, Vol. 128, no. 5 (November 1960), pp. 146-147.
A brief description of the building. Nolen and Swinburne, Architects.

"Library in Missouri," *Architectural Forum*, Vol. 115, no. 2 (August 1961), pp. 88-89.
Library for Washington University in St. Louis. Fumihiko Maki, Architect.

"Library, University of Nevada," *Architectural Record*, Vol. 128, no. 5 (November 1960), pp. 150-151.
A brief description of the building. Robert E. Alexander and Associates, Architects.

Lorenz, John G. and Muirhead, Peter P. "The Campus Library," *American Education*, Vol. 1, no. 5 (May 1965), pp. 12-19.
This article discusses the role of the university library in the educational process, recent changes in design requirement and a number of new buildings constructed with loans made available through the Higher Education Facilities Act of 1963.

McQuade, Walter. "Cornell Rediscovers Architecture," *Architectural Forum*, Vol. 116, no. 2 (February 1962), pp. 64-69.
Part of a section titled, "Colleges: The Education Explosion." The article is a critical appraisal of Cornell's new graduate library.

Metcalf, Keyes D. *Planning Academic and Research Library Buildings*. New York: McGraw Hill Book Company, 1965.

"Music Library in Missouri," *Architectural Forum*, Vol. 115, no. 2 (August 1961), pp. 80-81.
Library for Washington University in St. Louis. Smith and Entzeroth, Architects.

"Pattern of School Library Design," symposium, *Library Journal*, Vol. 90, no. 22 (December 15, 1965), pp. 5453-83.

This special issue of *School Library Journal* should help librarians, administrators and architects in library designing. It includes articles by E. Ben Evans on "Pointers in Planning," Blanche Jaseck on "Chicago U's Laboratory School" and Kenneth I. Taylor on "Function Before Form".

Pezzoni, Betty. "Spaciousness on a Four Acre Campus," *College and University Business*, Vol. 29, no. 5 (November 1960), pp. 45-47.

A library building at Barnard College.
O'Connor and Killiam, Architects.

"Rare Building for Rare Books," *Architectural Forum*, Vol. 113, no. 5 (November 1960), pp. 138-141.

The new library for Yale University. Skidmore, Owings, and Merrill, Architects.

"Research Data Pooled in Central Library," *Architectural Record*, Vol. 107, no. 6 (June 1950), pp. 143-145.

Description of the Midwest Interlibrary Center at the University of Chicago. Shaw, Metz and Dolio, Architects.

Samore, Theodore. "Federal Legislation and Programs to Assist Academic Libraries," *ALA Bulletin*, Vol. 60, no. 2 (February 1966), pp. 156-159.

A number of Federal programs are discussed in this article. Addresses to which enquiries for further information on each program should be sent are also included.

Sutton, H. L. "Growing Pains of a College Library," *Library Journal*, Vol. 87, no. 15 (September 15, 1962), pp. 2997-3000.

The librarian of Parsons College, Iowa describes the problems faced by a college librarian when the college goes through a period of rapid expansion -- a situation confronting many small liberal arts colleges today. He discusses changes in selection procedures, acquisition and order procedures, general cataloging policy and circulation procedures and budgeting problems.

Thompson, Anthony. *Library Buildings of Britain and Europe*. Washington, D. C.: Butterworth, Inc., 1963. 326 pp.

"A Trio of Libraries: 1. Green River Community College,"
"A Trio of Libraries: 2. Amherst College," by Charles T. Lauder
"A Trio of Libraries: 3. University of California, San Diego," *American School and University*, Vol. 39, no. 3 (November 1966), pp. 45-54.

This trio of illustrated articles describe the physical facilities provided by three new library buildings.

"Two Sparkling Stones in Different Settings," Architectural Forum, Vol. 105, no. 8 (August 1956), pp. 112-117.
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"Dormitory Planning: Two Examples," Progressive Architecture, Vol. 41, no. 9 (September 1960), pp. 156-159.

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M.I.T.'s Senior House. Alvar Aalto, Architect.

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"Economies Are Shaping the Dormitories," Engineering News Record, Vol. 165, no. 7 (August 18, 1960), pp. 58-60.

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Quincy House at Harvard University. Sheply, Bulfinch, Richardson, and Abbott, Architects.

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A brief description of the building. Evans Woolen, Architect.

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A report of a survey by the magazine. Items covered include: built-in facilities, size and shape of buildings, plumbing installations, and laundry facilities.

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Student union planning. Includes a table comparing the union facilities of nine Wisconsin colleges.

Booth, Louis S. "Athletic Center," College and University Business, Vol. 29, no. 3 (September 1960), pp. 43-45.

Brief description of the center at the University of South Carolina. Lockwood Green, Engineers.

Hatch, Don. "Student Unions: An Architect's Viewpoint," American School and University, Vol. 38, no. 1 (September 1965), pp. 30-31.

The first step in planning a union building is to express the needs of the whole college community in a physical form. "Second, is the delination of these forms directly into a physical structure ..." The author discusses the implication of these steps for the designing process.

"M.I.T.'s Student Center: Edwardo Catalano starts with systems and creates architecture," Architectural Record, Vol. 139, no. 3 (March 1966), pp. 125-32.

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Photographs and sketches show the structural organization which provides 120,000 square feet of clear space for the Pauley Pavilion.

"Student Center, Tulane University," Architectural Record, Vol. 128, no. 5 (November 1960), pp. 152-154.
A brief description of the building. Curtis and Davis, Architects and Engineers.

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The University of California's new student center at Berkeley is criticized for encumbering a good plan with loosely diverse buildings.

"University Staff Club and Students' Refectory, Edinburgh," Architectural Review, Vol. 127, no. 759 (May 1960), p. 337.
University of Edinburg. Basil Spence and Partners, Architects.

"Urban Centers," College and University Business, Vol. 28, no. 6 (June 1960), pp. 62-63.
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"U.C.S.C. Fieldhouse: Bold Solution to Size, Space Problems," Architectural Record, Vol. 140, no. 6 (December 1966), pp. 146-148.

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This article includes descriptions, plans and photographs of two recent buildings at Harvard - Holyoke Center and World Religions Center. There is also an article by Jose Luis Sert on "Windows and Walls: An Approach to Design" which is interesting in relation to the Holyoke Center.

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- Business Education Facilities
- Chemistry Facilities
- Classroom Building
- Education Building
- Facilities for Audio-Visual Use
- Fine Arts Facilities
- Junior and Community College
- Library Building
- Mathematics Classroom
- Physical Education Facilities
- Science Facilities

Excellent specialized bibliographies may also be found in some of the items listed in this bibliography. Note, in particular, Bush-Brown's dissertation listed under HISTORY, Lins' *Methodology of Enrollment Projections for Colleges and Universities* under ENROLLMENT AND SPACE STUDIES, and Riker's *Planning Functional College Housing* under UNIVERSITY ARCHITECTURE - Housing.

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